


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER ANETH UNIT B414				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT GREATER ANETH				
4. TYPE OF WELL Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME ANETH				
6. NAME OF OPERATOR RESOLUTE NATURAL RESOURCES						7. OPERATOR PHONE 303 534-4600				
8. ADDRESS OF OPERATOR 1675 Boradway Ste 1950, Denver, CO, 80202						9. OPERATOR E-MAIL pflynn@resoluteenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTSL 070968			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	935 FSL 2078 FWL		SESW	14	40.0 S	23.0 E	S			
Top of Uppermost Producing Zone	935 FSL 2078 FWL		SESW	14	40.0 S	23.0 E	S			
At Total Depth	935 FSL 2078 FWL		SESW	14	40.0 S	23.0 E	S			
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1222			23. NUMBER OF ACRES IN DRILLING UNIT 2560				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1064			26. PROPOSED DEPTH MD: 5815 TVD: 5815				
27. ELEVATION - GROUND LEVEL 4724			28. BOND NUMBER UTB000169			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 09-1428				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	16	0 - 90	48.0	H-40 ST&C	8.3	Unknown	115	1.17	15.6
Surf	14.75	12.75	0 - 1650	40.5	J-55 ST&C	8.3	Premium Lite High Strength	505	1.96	12.3
							Type V	175	1.18	15.6
Prod	9.875	7	0 - 5610	26.0	J-55 LT&C	8.3	50/50 Poz	765	1.41	13.1
							Type V	175	1.18	15.6
Open	6.125	0	0 - 0	0.0	No Pipe Used	0.0	No Used	0	0.0	0.0
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Shera Gantenbein				TITLE Regulatory Analyst			PHONE 303 534-4600			
SIGNATURE				DATE 07/05/2011			EMAIL sgantenbein@resoluteenergy.com			
API NUMBER ASSIGNED 43037500110000				APPROVAL  Permit Manager						

RECEIVED: Jul. 07, 2011

Resolute Natural Resources Company
Drilling Program – Aneth Unit B414
Revised June 10, 2011

Project Overview

The target formation for the proposed Aneth Unit B414 is the Desert Creek formation. The purpose for the proposed well is to complete a producing oil well in the Greater Aneth Area. A vertical well will be drilled to TD in the Desert Creek formation and a full suite of logs will be run. Anticipated start date of project is June 2011 ending July 2011. Anticipated duration of project from spud to completion is 48 days.

Well Location

Surface Location:	1020' FSL and 2009' FWL Sec. 14-T40S-R23E San Juan County, Utah
Surface Elevation - GL:	4732 GL
Proposed Depth:	5815'

A. Anticipated Geologic Markers

1) Morrison	Surface	Potential fresh water
2) Entrada	505'	Fresh water
3) Navajo	780'	Fresh water
4) Chinle	1,650'	
5) Upper Ismay	5,430'	Oil and gas
6) Hovenweep	5,510'	
7) Lower Ismay	5,520'	Oil and gas
8) Gothic Shale	5,580'	
9) Desert Creek IA	5,610'	Oil and gas
10) Desert Creek IIA	5,645'	Oil and gas
11) Desert Creek III	5,720'	Oil and gas
12) Chimney Rock	5,790'	
13) TD	5,815'	

B. Anticipated Water, Oil, Gas and Mineral Resources

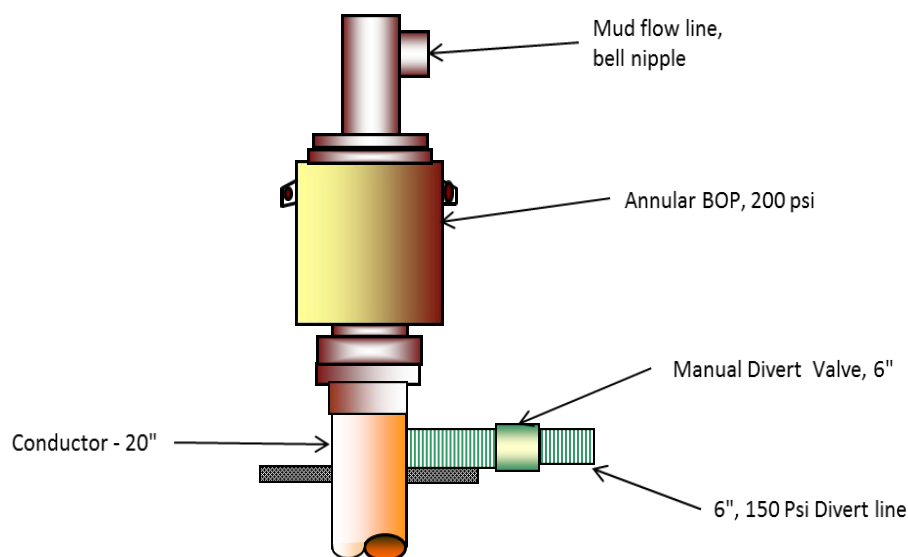
The proposed well will be spud in the Morrison Formation. Potential fresh water zones include the Bluff Sandstone member of the Morrison Formation, which is expected to occur at \approx 335 feet below ground level, as well as the Entrada Sandstone, Navajo Sandstone, and Wingate Sandstone. The top of the Chinle formation is generally accepted as the base of fresh water in the Greater Aneth Oilfield.

Potential oil, gas and mineral resources to be encountered include the Ismay and Desert Creek zones of the Paradox formation, which are the primary hydrocarbon reservoirs in the southern Paradox Basin.

C. Well Pressure Control Equipment and Procedures

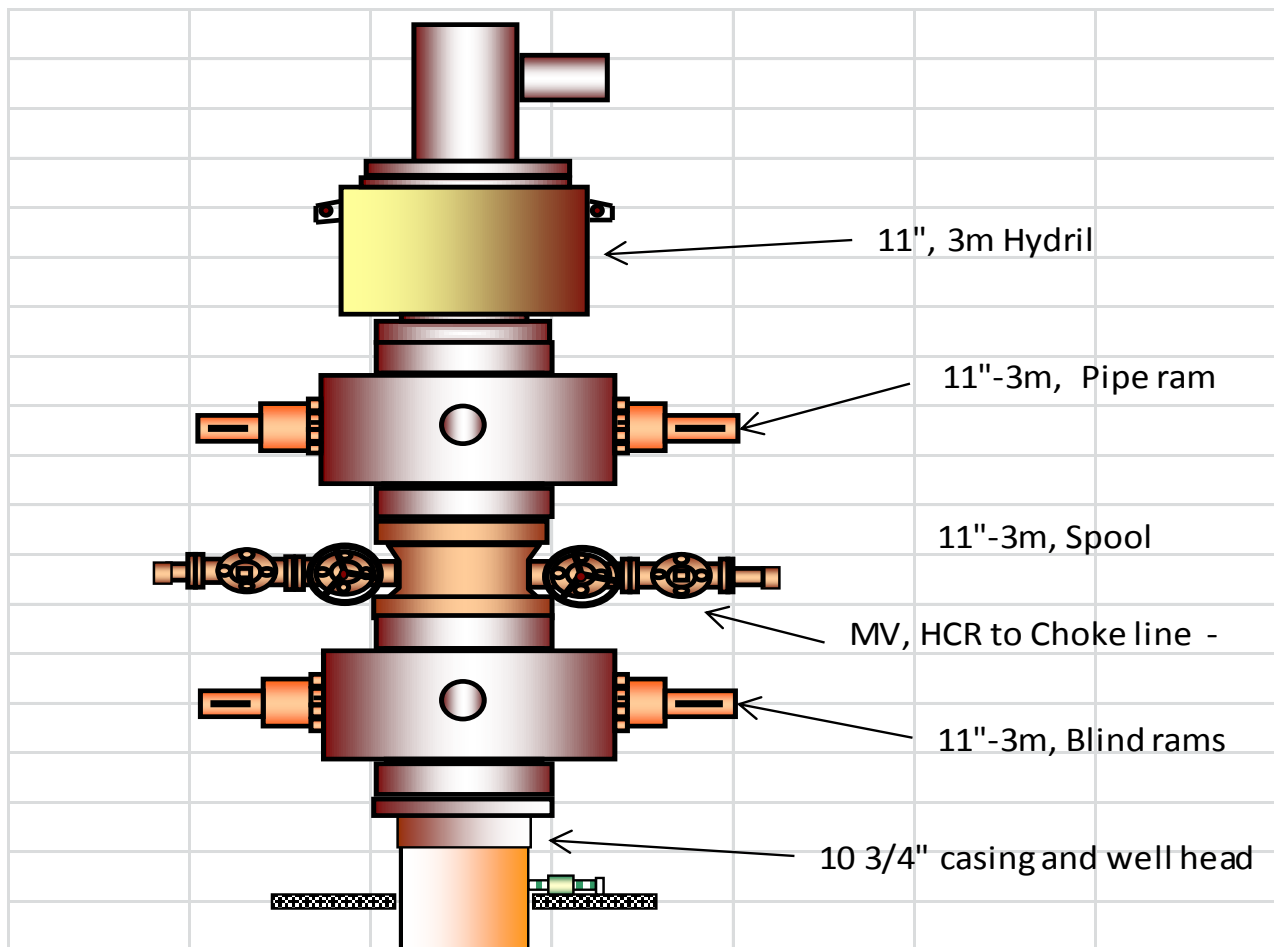
Blowout preventer equipment (BOPE) as discussed below will be installed and tested prior to drilling of the surface casing shoe and for each subsequent phase of drilling operations. Accumulators will be tested for pre-charge pressure and for holding pressure on the manifold prior to connection to the stack. Annular BOPs will be tested on nipple up and every 7 days thereafter, first to 200 psi, to simulate field well control situations, and then to the rated working pressure. Each test will be held for 15 minutes. The choke manifold will be operated and circulated through for kill rate pressures with each change of bottom hole assembly (BHA), but at least daily, using 2 slow pump rates, one at idle and one 10 strokes above that. All BOPE testing will be recorded and a copy of the pressure charts maintained with the tour sheet or drilling log.

Conductor Pipe Diverter System



A diverter system as illustrated above will be installed to control well flows encountered at relatively shallow depths from ± 90 to $\pm 1,650'$ feet. The diverter system includes a conductor pipe, 2,000 psi annular preventer and 6 inch minimum diameter diverter line. The diverter line is kept open so that flow can be immediately diverted by shutting the preventer. All diverter lines will be securely staked and will be straight lines or will use tee blocks or are targeted with running tees. All diverter line valves and other components will be 150 psi minimum working pressure.

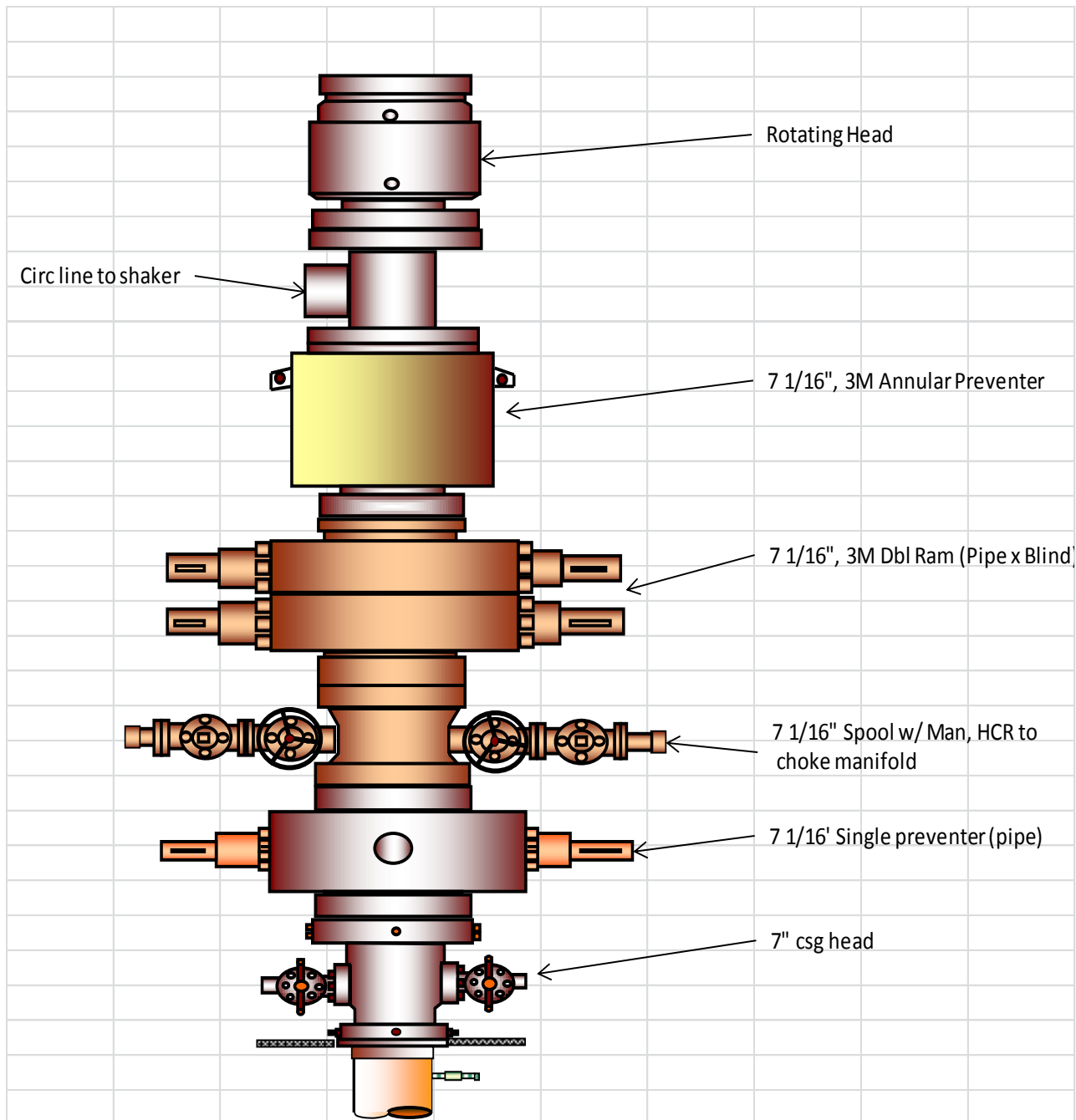
Surface Casing BOPE System



RSRA System w/HCR Valve and Choke Manifold

A RSRA system with HCR valve and rotating head as illustrated above will be installed to control well flows encountered during drilling from 1,650' feet to 5,610' or 7" casing setting depth. Full-opening, flanged valves will be used on all outlets, flowlines and the choke manifold. Kill and choke lines will be constructed as straight lines or will use tee blocks or running tees. Kill and choke lines will have minimum diameters of 2 and 3 inches respectively

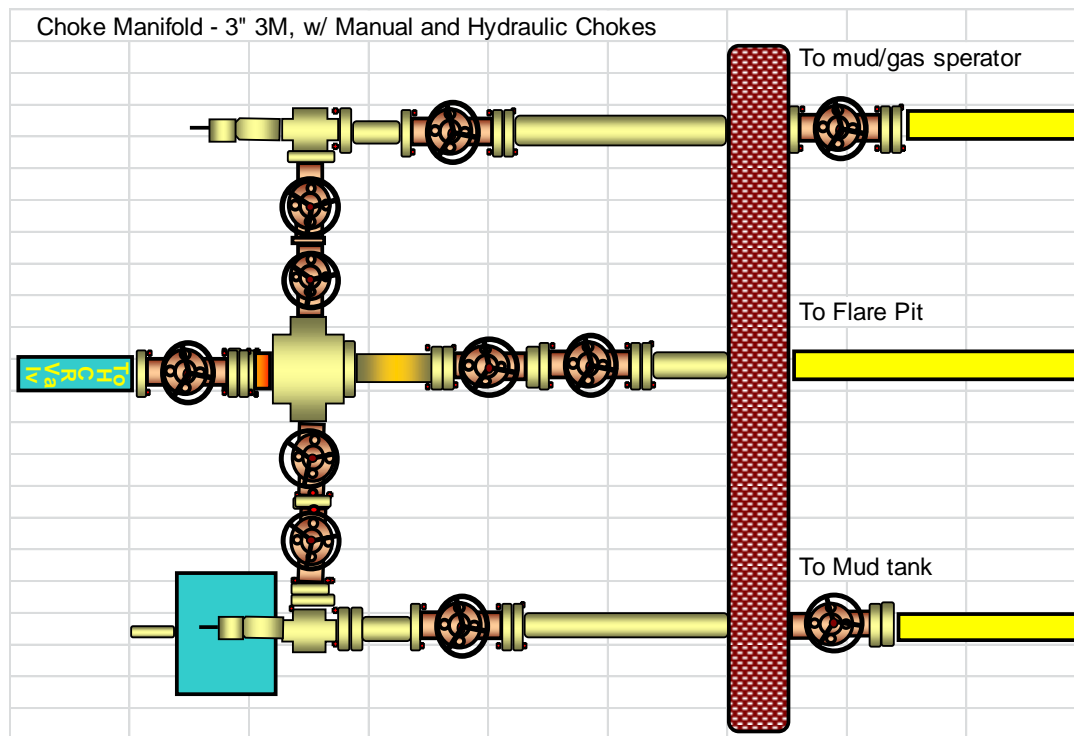
Production Casing BOPE System



RSRRA System w/Rotating Head, HCR Valve and Choke Manifold

A RSRRA system with HCR valve and rotating head as illustrated above will be installed to control well flows encountered during drilling from 5,610' to 5815' or TD. Full-opening, flanged valves will be used on all outlets, flowlines and the choke manifold. Kill and choke lines will be constructed as straight lines or will use tee blocks or running tees. Kill and choke lines will have minimum diameters of 2 and 3 inches respectively.

Choke Mainfold



D/E. Casing and Cementing Program**Conductor Casing / Cementing**

Cond. Casing	Hole Size	Depth	Mud Wt	Mud Hyd Press	Cement Wt	Cmt Hyd Press	Delta Press	
	20	90	8.3	38.84	15.6	73	34.16	
	Casing Size	Grade	Cplg	Wt/ft	Collapse	Internal Yield	Joint Strength	Pipe Yield
	16	H40	PE	48	740	1730	322,000	541,000
	SF= Collapse 1.125, Internal Press 1.00, joint Stength 1.80, Pipe Yield 1.25							
Cement Shoe Cntrlzrs Other		Type	Wt	Yield	Vol-bbl/sx	Additive		
	Lead	Redi-mix			5 yds			
	Tail							
	Notched collar							
	None							

**Surface
Casing/Cementing**

Surface	Hole Size	Depth	Mud Wt	Mud Hyd Press	Cement Wt	Cmt Hyd Press	Delta Press	
	14 3/4	1650	8.3	712.14	15.6	1338.48	626.34	
	Casing Size	Grade	Cplg	Wt/ft	Collapse	Internal Yield	Joint Strength	Pipe Yield
	10 3/4	J-55	STC Rd	40.5	1580	3130	420,000	629,000
	SF= Collapse 1.125, Internal Press 1.00, joint Stength 1.80, Pipe Yield 1.25							
Cement		Type	Wt	Yield	Vol-bbl/sx	Additives		
	Lead	Prm Light	12.3	1.96	174.18/505	10lbm/sk Gilsonite, 2% CaCl, .125 lbm/sk Poly-E-Flake		
	Tail	Type V	15.6	1.18	36.81/175	.125 lbm/sk Poly-E-Flake		
	Stg Tool							
	Lead							
	Tail							
Shoe	HES Trophy, Auto fill							
Cntrlzrs	API 10 3/4, (12): 3 on bottom jt, 1 every 4th joint to surface							
Other	100 % excess on Surface casing string cement							

Production Casing / Cementing

Prod	Hole Size	Depth	Mud Wt	Mud Hyd Press	Cement Wt	Cmt Hyd Press	Delta Press	
	9 7/8	5610	8.3	2509.75	15.6	4717.13	2207.38	
	Casing Size	Grade	Cplg	Wt/ft	Collapse	Internal Yield	Joint Strength	Pipe Yield
	7	J-55	LTC Rd	26	4320	4980	367,000	415,000
	SF= Collapse 1.125, Internal Press 1.00, joint Stength 1.80, Pipe Yield 1.25							
Cement		Type	Wt	Yield	Vol-bbl/sx	Additives		
	Lead	50/50 poz	13.1	1.41	191.69/765	5 lbm/sk Gilsonite, .125 lbm/sk, Poly-E-flake, .4% Halad® 9		
	Tail	Type V	15.6	1.18	36.84/175	.125 lbm/sk Poly-E-Flake, .3%		
						Halad® 9		
Stg Tool	HES Type P ES Stage Cementing Tool Set @ 2800' (+,-)							
	Lead	50/50 Poz	13.1	1.41	154.13/620	5 lbm/sk Gilsonite, .125 lbm/sk Poly-E-flake		
	Tail	Type V	15.6	1.18	10.52/50	.125 lbm/sk Poly-E-Flake, .3%		
Shoe Cntrlzrs	HES float shoe & HES float collar							
	API 5 1/2, (46): 2 on bottom jt, 1 every 4th joint to stage tool, one either side of stage tool, then 1 every 4th joint to surface.							
Other	50 % excess on Production string cement							

Production/Open Hole

Hole Size	Depth	Mud Wt	Mud Hyd Press	Cement Wt	Cmt Hyd Press	Delta Press
6 1/8	5815					

Notes: This section of hole will be drilled and left uncased in the Desert Creek formation. It is expected to be drilled underbalanced using N2 as the circulating medium. After drilling the well will be killed with produced salt water from the Aneth Unit reinjection system. A Retrievable Bridge plug will be set in the bottom of the 7" Casing for control of the well bore and the drilling rig will rig down and move off. A completion rig will then complete the well.

F. Circulating Medium

Drilling fluids as specified below will be used to maintain well control during drilling. Sufficient quantities of drilling fluids will be kept onsite and tests to determine density, viscosity, gel strength, filtration, and pH will be performed daily. Kill Weight Brine (10 ppg) will be on hand in volume to kill well if necessary.

- 1) Conductor and Surface Casing
 Depth: 90' to $\pm 1,650'$
 Bit Size: 20" – 14 $\frac{3}{4}$ "
 Mud Type: FW/Spud mud
 Hole Volume: 280 bbls
 Pit Volume: 500 bbls

	Minimum	Maximum	Units
Mud Weight	8.3	9.4	#/gal
Drill Solids	4	6	Percent
pH	9	9.5	
Funnel Viscosity	26	40	sec/qt
Fluid Loss	NC	NC	cc/30 min

- 2) Vertical Well Bore
 Depth: $\pm 1,650'$ to $\pm 5,610'$ picked by Mud logger.
 Bit Size: 9 $\frac{7}{8}$ "
 Mud Type: FW/gel/PHPA/ LSND
 Hole Volume: 300 bbls
 Pit Volume: 500 bbls

Mud Properties	Minimum	Maximum	Units
Mud Weight	9.7	10.2	#/gal
Drill Solids	4	6	Percent
pH	9	10	
Plastic Viscosity	4	10	
Yield Point	6	12	
Funnel Viscosity	35	40	sec/qt
Fluid Loss	12	15	cc/30 min

- 3) Open Hole Well Bore
 Depth: $\pm 5,610'$ to $\pm 5815'$ TD
 Bit Size: 6 $\frac{1}{8}$ " with Underreamer 12" OD
 Mud Type: N2

Mud Properties	Minimum	Maximum	Units
Mud Weight	8.8 – Formation KW	10.2	#/gal
Drill Solids	na	na	
pH	na	na	
Plastic Viscosity	na	na	
Yield Point	na	na	
Funnel Viscosity	na	na	
Fluid Loss	na	na	

Weatherford International will supply Nitrogen for the Underbalanced portion of open hole from 5610' to 5815'. The package consist of 2 Ariel compressors with 1350 SCFM capacity and one N2 membrane Unit with 1500 SCFM capacity. These units will rig up directly in front of the Dog House on the Location Layout diagram.

G. Logging, Testing, Coring Program

Logging of the well bore will include Induction or Laterlog, Density/Neutron, Sonic (possible Dipole). No other logs or test are anticipated.

H. Anticipated Reservoir Pressures and Temperatures

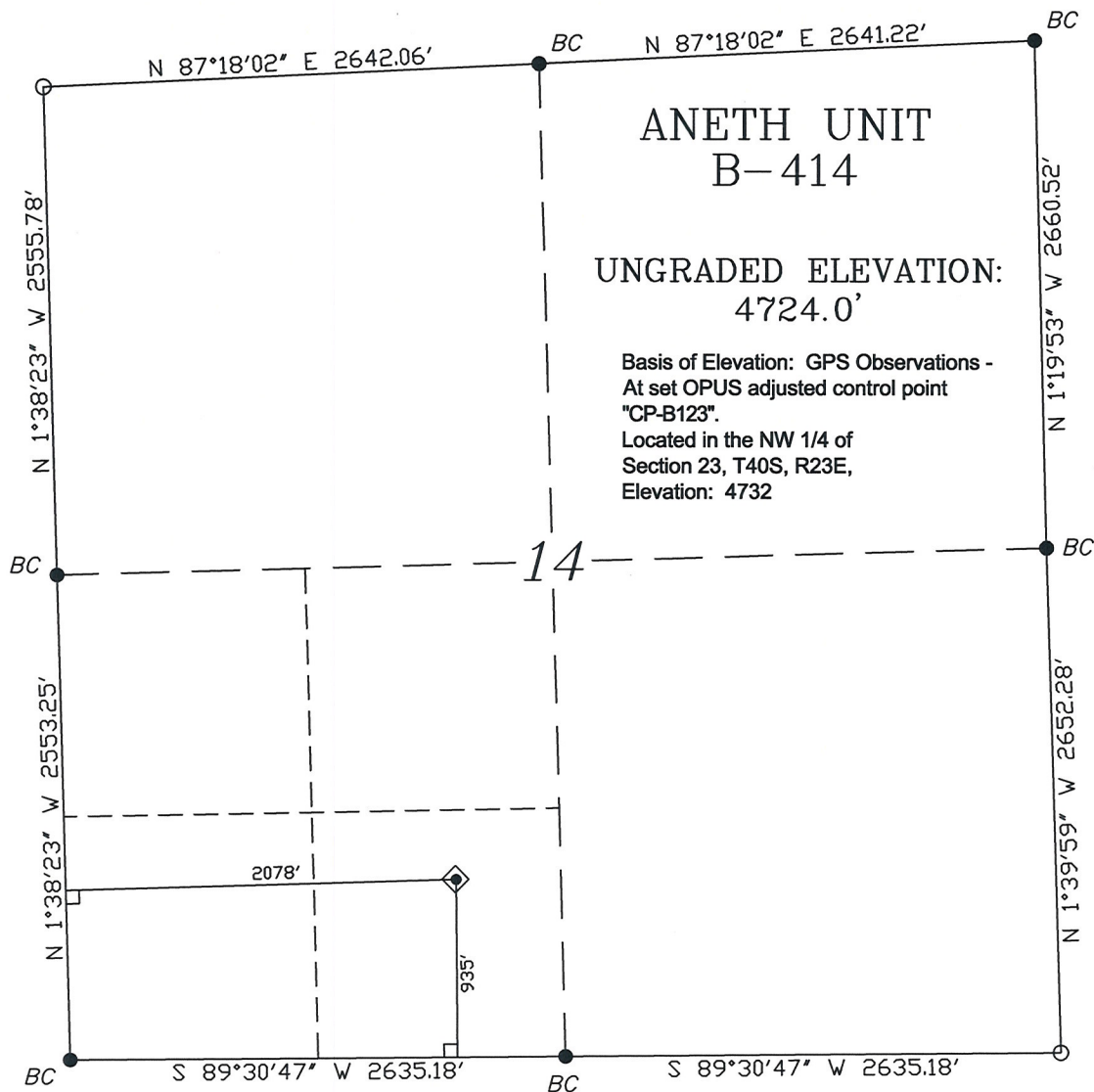
The Ismay and Desert Creek zones are expected to be abnormally pressured as a result of the ongoing waterflood in the Aneth Unit. Anticipated bottom-hole pressure is \approx 5,000 psi at 5,800 foot TD.

Hydrogen sulfide (H₂S) in the range of 300 to 1,000 ppm is anticipated in the Desert Creek zone based on analysis of produced gas from other wells in the area. An H₂S Drilling Operations Plan has been developed and is attached to this drilling plan.

I. Drilling Tools

Conventional rotary drilling tools will be used to drill the proposed well. This will included Tri-Cone roller bits as well as PDCs in conjunction with nominal sized Drill collars appropriate to hole size and weight on bit needs. Conventional Drill Pipe will be used for all drilling operations.

Drilling Tools by Interval				
Conductor				
Tool	Size	Length-Ft	Weight-lbs	Description
Bit	20"	2	560	Mill tooth Tri-Cone bit
Drill Collars	8"	90	14400	Smooth Drill Collars 160#/ft
Surface Casing				
Bit	14 3/4"	1.5	225	Mill tooth Tri-Cone bit
Drill Collars	8"	180	28800	Smooth Drill Collars 160#/ft
Drill Collars	6 1/2"	300	30600	Smooth Drill Collars 102#/ft
Production				
Bit	9 7/8"	1	80	Tri-Cone TCI bits and PDC
Drill Collars	6 1/2"	540	55080	Smooth Drill Collars 102#/ft
Open Hole				
Bit	6 1/8"	1	22	Tri-Copne TCI bit
Hole Opener	43/4"x12"	4.5	75	Hole opener(underreamer) 16#/ft
Drill Collars	4 3/4"	240	6480	Smooth Drill Collars 24#/ft

R. 23 E.

SCALE: 1" = 1000'

T. 40 S.

LATITUDE
NORTH 37.304719 DEG.

LONGITUDE
WEST 109.359663 DEG.

NORTHING
239444.56

EASTING
2622497.10

DATUM
UTAH SP SOUTH (1927)

**SURVEYOR'S STATEMENT:**

I, Marshall W. Lindeen, of Farmington, New Mexico, hereby state: This map was made from notes taken during an actual survey under my direct supervision on DECEMBER 10, 2010, and it correctly shows the location of ANETH UNIT B-414.

NOTES

- ◆ PROPOSED WELL LOCATION
- FOUND MONUMENT
- CALCULATED POSITION
- L DENOTES 90° TIE

**EXHIBIT A**

**PLAT OF PROPOSED WELL LOCATION
FOR
RESOLUTE NATURAL RESOURCES COMPANY**

P.O. BOX 3651
FARMINGTON, N.M.
(505) 334-0408

SCALE: 1" = 1000'

JOB No. 9863

DATE: 12/28/10

**935' F/SL & 2078' F/WL, SECTION 14,
T. 40 S, R. 23 E, SALT LAKE MERIDIAN
SAN JUAN COUNTY, UTAH**

RECEIVED: Jul. 07, 2011

BY: H.S.

DWG.#: 9863W01



P.O. BOX 3651
FARMINGTON, N.M.
(505) 334-0408

SCALE: 1" = 3000'

JOB No. 9863

DATE: 12/28/10

**PROPOSED WELL LOCATION FOR
RESOLUTE NATURAL RESOURCES
ANETH UNIT B-414**

**EXISTING ROAD
ACCESS/EGRESS**



**EXHIBIT
2A**

RECEIVED: Jul. 07, 2011

BY: H.S. DWG.#: 9863T01

Resolute Natural Resources Company
Surface Use Program – Aneth Unit B414
Revised June 30, 2011

a. Existing roads

Access to the proposed location is shown on Exhibit 2A. From Utah State Hwy 162 take San Juan County road 2281 (Bucket Canyon Road) North for 2 miles. At the fork turn left .3 miles to new location road on right. County Road 2281 is a hard packed dirt road maintained by occasional road grader machinery. The road will need no upgrades from State Hwy 162 to the new lease road. Damage to the existing road will be repaired by road grader and road conditions will be maintained as good as or better than current. After the drilling and completion of the well is finished the road will be re-graded to the state highway.

b. New or reconstructed access roads

The proposed lease road will leave County Road 2281 and follow the contour for $\approx 300'$ feet, entering the proposed drill pad at the southwest corner as shown on the Proposed Access Road survey plat. The road will be 30 feet wide with 5' of ditch 1-1.5' in depth on the uphill side of the road. There will be only a mild cut to the high side of the road.

Primary construction equipment will be a Dozer and Motor Grader. All top soil from the road disturbance to a depth of 8" will be stockpiled at the southwest corner of the drilling location, as shown on the enclosed Well Site Layout.

Base material will be basal rock, which is naturally occurring at this contour. The road will be topped with a road base mix from a private gravel pit located 1 mile west of Montezuma Creek, Utah. There are no plans for culverts or cattle guards.

c. Existing wells

Existing wells within a 1-mile radius of the proposed location are included on the map in Exhibit 2A.

d. Location of existing or proposed production facilities

Should the well prove productive, two surface production lines approximately 2,080 feet in length will be installed to an existing production facility (AU Header 13-14). The production lines will follow an abandoned pipeline corridor that crosses the location and exits at the north east corner. The pipeline will be strung by contract roustabouts using rubber tired backhoes, one ton trucks and trailers. The production lines will be constructed of used 2 7/8" production tubing, which will be hydro-tested to 3000 psi upon completion. The pipeline route is shown on the map in Exhibit 2B.

Approximately 930 feet of Company owned raptor safe overhead power line will be installed from the existing Aneth Unit power system to the well location to provide power to the well pump. Surface disturbance associated with installation of the power line will be limited to tire marks from rubber tired trucks and auger dug holes with wooden poles and guy anchors at each end of the line and change in bearing. The pipeline route is shown on the map in Exhibit 2B.

e. Location and Type of Water Supply

Source water for drilling purposes will come from CUSA WW #20, which is located 1/4 mile west of Montezuma Creek, Utah. WW #20 is authorized by permit through the Navajo Department of Water

Resources and operated by Resolute. Water will be trucked from the well to the drilling location by local contractors using the existing and constructed roads shown on Exhibit 2A.

f. Construction Materials

The location is located near an Old Elkhorn Pipeline which traverses the north edge of location. The location will not infringe upon the pipeline ROW.

The location is mainly basal rock with a small amount of top soil on the North and West ½ of location. The north side of location will be high walled by an excavator parallel to the pipeline ROW and sloped appropriately (See cut and fill survey). The west side of location will be cut and sloped with material used for the fill portion coming primarily from this area. The location will be topped by a road base mix from a private gravel pit in Montezuma Creek, Utah. Construction equipment will consist primarily of a Dozer, track hoe w/hammer and a motor grader.

The cut on this location will provide 90-95% of all the location material need to build the location. Following an onsite with BLM representatives, it was decided that a portion of the remaining construction materials could be harvested from the AU A414 (P&A) well location, which is located in the ¼ section to the West of the proposed well, in an effort to return this location to near its original contour. Any additional materials will be sourced from a private gravel pit in Montezuma Creek, Utah. The top 6" of top soil will be stockpiled at the north east end of location for use during reclamation.

g. Methods for Handling Waste

Drill Fluids will be reclaimed at Resolute's Mud Plant located 1.5 miles North, 1.5 miles West of Aneth, Utah. Fluids unsuitable for reclamation will be hauled to Envirotech Land Farm in Farmington, New Mexico. Drill Cuttings will be solidified and hauled to Contract Environmental Services in Aneth, Utah.

Chemicals used incidental to drilling operations will be housed in a metal sided building and all unused portions will be returned to vendor. Garbage will kept in an enclosed garbage trailer and transported to an approved, commercial garbage dump. Sewage and human waste will be contained in vendor supplied receptacles and hauled to a properly permitted disposal site by the vendor. Produced Water/Oil incidental to drilling/testing operations will be transported to the appropriate Aneth Unit facilities for recycling or sales.

h. Ancillary Facilities

None anticipated.

i. Well Site Layout

A well site cross section from a registered surveyor showing the location cuts and fills is enclosed as Exhibit IA. Following an onsite with BLM representatives, it was determined that it was infeasible to construct a reserve pit in the cut portion of the well site. Therefore, a closed loop drilling fluid system will be used to control drilling fluids and the reserve pit shown on the cut and fill survey will not be constructed.

A "catch pit" measuring 30' x 30' x 6' deep will be used to accumulate any surface run off. This pit will have a synthetic liner and will have bird netting installed while in use. A small flare pit will also be dug in the north east corner of the location to be used only if flaring of gas for well control is necessary. The flare pit will be approximately 30' long x 15' wide and 4' deep and will have a synthetic liner. The catch and flare pits, as well as the rig orientation and topsoil and spoil piles are shown on the site diagram

enclosed as Exhibit IB. The total surface disturbance associated with the well pad, including topsoil and spoil stockpiles will be approximately 350 feet X 350 feet or 2.81 acres.

j. Plans for Surface Reclamation

The catch and flare pits will be fenced with and bird netting on the catch pit will remain in place until the pits are closed. Both pits will be closed with 30 days of the cessation of drilling activities. Prior to backfilling the pits, the synthetic liners will be removed and disposed at an approved commercial facility.

After closure of the pits, a berm equaling a 90' radius (guy line pattern) around the well will be created from stockpiled soil and the area inside the berm will be stabilized with road base material and retained for use during production operations.

The remainder of the well pad disturbance, as well as the disturbed areas on either side of the access road will be re-conditioned with reserved topsoil and reseeded with the grass/shrub formulation referenced below. All surface disturbances associated with installation of the production pipe and power line will be raked by hand and/or tractor drag and reseeded as well.

Seed mixture from Southwest Seed in Dolores, Colorado.

Grass W:	Dropseed-Sand	VNS	2.34%
Shrub:	Saltbrush-four w	NM Native	12.18%
Shrub:	Saltbrush-four w	NM Native	14.82%\
Indian Rice Grass	Rimrock		9.09%
Shrub:	Shad Scale	Atriplex Confertifolia	30.70%
Grass C:	Needle & Thread	VNS	17.81%
Shrub:	Cliffrose	Cowania Mexicana	7.26%

In the event that the well is non-productive or upon plugging and abandonment of the well, the flowline, power line and other surface equipment will be removed for salvage or reuse and gravel from well pad and road will be removed and used in other parts of the Aneth field. Soil from the berm and topsoil will then be redistributed over the entire well pad and road disturbances in order to restore the area to its original contours and the entire disturbed area will be reseeded as described above.

k. Surface Ownership

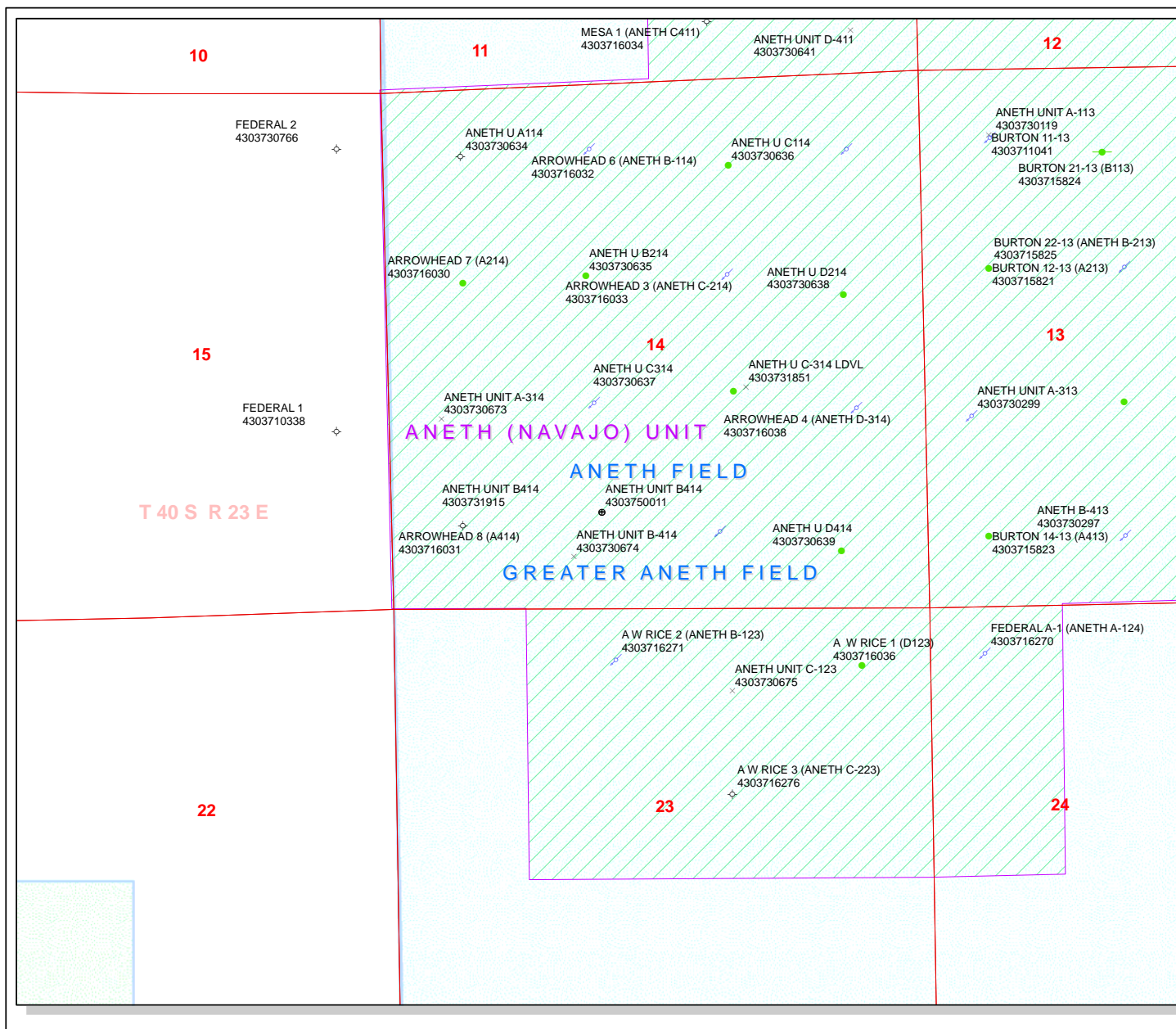
Surface ownership is 100% BLM

l. Other Information

- a. During the onsite inspection with BLM representatives, the possibility of moving the well pad to the south to avoid some cut and fill was discussed. However, Resolute believes that the proposed location is preferable to moving the location south for two reasons:
 - 1) The location is near the edge of the field and thus, the regional oil-water contact is approaching from the south. Moving the location 300' south would put the base of the target zone below the oil-water contact.
 - 2) The "sweet spot" phi-h is located north and east, so moving south would take the wellbore further from the existing injectors within the "sweet spot", potentially having a negative effect on sweep efficiency of the water/CO2 flood.

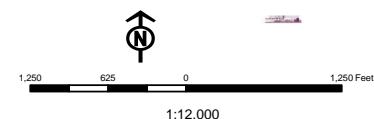
For these reasons Resolute has maintained the originally proposed location with modifications to the well site layout. A structure map, phi-h map and structural cross-section are attached.

- b. Following the onsite inspection and a review previous cultural resources inventories conducted in connection with a 3-D seismic survey of the Aneth Unit, it was determined that the previous inventories did not include receiver sites since they were determined to be non-surface disturbing activities. Complete Archaeological Service Associates of Cortez, Colorado performed a cultural resource inventory of the well pad, pipeline, access road and power line and submitted a report to the Monticello BLM office.



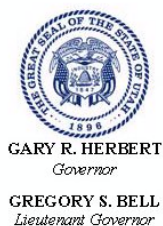
API Number: 4303750011
Well Name: ANETH UNIT B414
Township T4.0 . Range R2.3 . Section 14
Meridian: SLBM
Operator: RESOLUTE NATURAL RESOURCES
 Map Prepared:
 Map Produced by Diana Mason

- | Units | Wells Query |
|---------------|------------------------------------|
| STATUS | Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| GF PP OIL | GS - Gas Storage |
| NF SECONDARY | LA - Location Abandoned |
| PI OIL | LOC - New Location |
| PP GAS | OPS - Operation Suspended |
| PP GEOTHERMAL | PA - Plugged Abandoned |
| PP OIL | PGW - Producing Gas Well |
| SECONDARY | POW - Producing Oil Well |
| TERMINATED | RET - Returned APD |
| Fields | Status |
| Unknown | SGW - Shut-in Gas Well |
| ABANDONED | SOW - Shut-in Oil Well |
| ACTIVE | TA - Temp. Abandoned |
| COMBINED | TW - Test Well |
| INACTIVE | WDW - Water Disposal |
| STORAGE | WIW - Water Injection Well |
| TERMINATED | WSW - Water Supply Well |
| Sections | |
| Township | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/5/2011**API NO. ASSIGNED:** 43037500110000**WELL NAME:** ANETH UNIT B414**OPERATOR:** RESOLUTE NATURAL RESOURCES (N2700)**PHONE NUMBER:** 303 534-4600**CONTACT:** Shera Gantenbein**PROPOSED LOCATION:** SESW 14 400S 230E**Permit Tech Review:** ☒**SURFACE:** 0935 FSL 2078 FWL**Engineering Review:** ☐**BOTTOM:** 0935 FSL 2078 FWL**Geology Review:** ☒**COUNTY:** SAN JUAN**LATITUDE:** 37.30474**LONGITUDE:** -109.35967**UTM SURF EASTINGS:** 645375.00**NORTHINGS:** 4129736.00**FIELD NAME:** GREATER ANETH**LEASE TYPE:** 1 - Federal**LEASE NUMBER:** UTSL 070968**PROPOSED PRODUCING FORMATION(S):** DESERT CREEK**SURFACE OWNER:** 1 - Federal**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** FEDERAL - UTB000169☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 09-1428☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** ANETH☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 152-7**Effective Date:** 4/22/1998**Siting:** Does Not Suspend General Siting☐ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:** 4 - Federal Approval - dmason**RECEIVED:** Jul. 07, 2011



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: ANETH UNIT B414
API Well Number: 43037500110000
Lease Number: UTSL 070968
Surface Owner: FEDERAL
Approval Date: 7/7/2011

Issued to:

RESOLUTE NATURAL RESOURCES, 1675 Boradway Ste 1950, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 152-7. The expected producing formation or pool is the DESERT CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED**FEB 16 2012**

FORM 6

DIV. OF OIL, GAS & MINING

ENTITY ACTION FORMOperator: Resolute Natural ResourcesOperator Account Number: N 2700Address: 1675 Broadway, Ste 1950city Denverstate COzip 80202Phone Number: (303) 573-4886**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750011	Aneth Unit B414		SESW	14	40S	23E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	7000	2/9/2012		2/29/2012		
Comments: DSCR							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Sherry Glass

Name (Please Print)

Signature

Sr. Regulatory Technician

Title

2/16/2012

Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSL 070968
2. NAME OF OPERATOR: Resolute Natural Resources		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Aneth
3. ADDRESS OF OPERATOR: 1675 Broadway, Ste 1950 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Aneth Unit B414
PHONE NUMBER: (303) 573-4886		8. WELL NAME and NUMBER: Aneth Unit B414
4. LOCATION OF WELL FOOTAGES AT SURFACE: 935 FSL, 2078 FWL		9. API NUMBER: 4303750011
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 14 40S 23E S		10. FIELD AND POOL OR WILDCAT: Greater Aneth
COUNTY: San Juan		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 2/9/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources submits that well was spud on February 9, 2012.

NAME (PLEASE PRINT) Sherry Glass	TITLE Sr. Regulatory Technician
SIGNATURE <i>Sherry Glass</i>	DATE 2/27/2012

(This space for State use only)

RECEIVED

FEB 27 2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSL 070968
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: ANETH
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: ANETH UNIT B414
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		9. API NUMBER: 43037500110000
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: GREATER ANETH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0935 FSL 2078 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 14 Township: 40.0S Range: 23.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/2/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 06, 2012

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A		DATE 3/2/2012



Daily Activity Report

Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time		

Job Category Drilling	Primary Job Type Drilling - original	Secondary Job Type
Start Date 2/9/2012	End Date	AFE Number 10011001

Objective
This AFE covers expenditures for the drilling and completion of a new vertical well, the B-414. Primary targets are the DC-IA & DC-IIA formations.

Contractor D&J Drilling	Rig Number 1	Rig Type
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Report Start Date 2/8/2012	Report End Date 2/9/2012	Operations Summary drywatch equipment & location (\$50 per hour) Jsa rigging & nipping up equipment, rig up derrick, spot drill collars & dh motor, start filling h2o rig & closed loop & 800 bbls storage weld up 20" flange & bell nipple to 16" conductor, measured out height of flow nipple to closed loop, need stripping head to prevent flow over top of annular waiting on stripper head from Grand Junction, redrill rat & mouse hole, rig up pumps & lines, check flow from closed loop to DJ pit, weld up stripper head, cut & weld up flow line to closed loop, cut & weld up flanges & targeted T for 6" diverter line, nu line to pit, function test annular & hcr to diverter
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Dur (hrs)	Comment
1.50	drywatch equipment & location (\$50 per hour)
1.00	Jsa rigging & nipping up equipment, rig up derrick, spot drill collars & dh motor, start filling h2o rig & closed loop & 800 bbls storage
5.00	weld up 20" flange & bell nipple to 16" conductor, measured out height of flow nipple to closed loop, need stripping head to prevent flow over top of annular
3.00	waiting on stripper head from Grand Junction, redrill rat & mouse hole, rig up pumps & lines, check flow from closed loop to DJ pit,
13.50	weld up stripper head, cut & weld up flow line to closed loop, cut & weld up flanges & targeted T for 6" diverter line, nu line to pit, function test annular & hcr to diverter

Report Start Date 2/9/2012	Report End Date 2/10/2012	Operations Summary finish nu of diverter line & cmt pads, jsa on pu collars tally, id/od dcs & dp, tih w/14 3/4" Security FX 75M (s/n 11868410) PDC bit, 8" Hunting 0 deg dh motor, 2 - 8" dc tag @ 106' break circ w/465 gpm @ 235#, spud start drilling new hole rotary 50 rpm + 80 rpm on dh motor, 1 - 2 pts on bit change shaker screen on closed loop drill from 106' - 283', 130 rpm @ bit, 3 - 4 pts, rop 27 fph fluid wt 8.3 ppg survey @ 213' 3/4 deg, rig service drill from 283' - 497' 130 rpm @ bit, 3- 5 pts, rop 35.6 fph fluid weight 8.35 ppg survey @ 427', 1 deg drill from 497' - 717' 130 rpm @ bit 6 - 8 pts, rop 44 fph fluid weight 8.4 ppg, heavy cuttings to shaker & hydroclones, filled 2 rolloff bins since start survey @ 647', 1 deg drill from 717' - 740' 130 rpm @ bit 6 - 8 pts, rop 45 fph, fluid weight 8.7 ppg, heavy cuttings pea size @ shaker, beach sand @ hydroclones, filled 3rd rolloff bin
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Dur (hrs)	Comment
2.00	finish nu of diverter line & cmt pads, jsa on pu collars
1.50	tally, id/od dcs & dp, tih w/14 3/4" Security FX 75M (s/n 11868410) PDC bit, 8" Hunting 0 deg dh motor, 2 - 8" dc tag @ 106'
0.50	break circ w/465 gpm @ 235#, spud start drilling new hole rotary 50 rpm + 80 rpm on dh motor, 1 - 2 pts on bit
0.50	change shaker screen on closed loop
6.50	drill from 106' - 283', 130 rpm @ bit, 3 - 4 pts, rop 27 fph fluid wt 8.3 ppg
0.50	survey @ 213' 3/4 deg, rig service
6.00	drill from 283' - 497' 130 rpm @ bit, 3- 5 pts, rop 35.6 fph fluid weight 8.35 ppg
0.50	survey @ 427', 1 deg
5.00	drill from 497' - 717' 130 rpm @ bit 6 - 8 pts, rop 44 fph fluid weight 8.4 ppg, heavy cuttings to shaker & hydroclones, filled 2 rolloff bins since start
0.50	survey @ 647', 1 deg
0.50	drill from 717' - 740' 130 rpm @ bit 6 - 8 pts, rop 45 fph, fluid weight 8.7 ppg, heavy cuttings pea size @ shaker, beach sand @ hydroclones, filled 3rd rolloff bin

Report Start Date 2/10/2012	Report End Date 2/11/2012	Operations Summary drilled 740' - 871' 130 rpm w/8 pts on bit, mw 8.7 ppg, rop 29 fph ran wl survey @801' 3/4 deg drilled 871' - 1089' 130 rpm w/8 pts on bit, mw 8.75 ppg, rop 58 fph ran wl survey @1019' 1 deg drill 1089' - 1142' 130 rpm w/8 pts on bit, mw 8.8 ppg, 23.5 fph ran wl survey @1072' 2 deg drill 1142' - 1204' 130 rpm, dropped weight on bit to 6 pts to correct drift of hole, mw 8.8 ppg added 80 bbls fresh to shaker tank, rop 16.5 fph ran wl survey @ 1134' 1 1/4 deg drill 1204 - 1274' 130 rpm, w/6 pts on bit, mw 8.7 ppg, rop 13.3 fph ran wl survey @ 1204' 1 1/4 deg drill 1274' - 1339', 130 rpm w/6 pts on bit, mw 9 ppg, rop 20 fph, rig service
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Dur (hrs)	Comment
4.50	drilled 740' - 871' 130 rpm w/8 pts on bit, mw 8.7 ppg, rop 29 fph
0.25	ran wl survey @801' 3/4 deg
3.75	drilled 871' - 1089' 130 rpm w/8 pts on bit, mw 8.75 ppg, rop 58 fph
0.25	ran wl survey @1019' 1 deg
2.25	drill 1089' - 1142' 130 rpm w/8 pts on bit, mw 8.8 ppg, 23.5 fph
0.25	ran wl survey @1072' 2 deg



Daily Activity Report

Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)		KB-Casing Flange Distance (ft)		Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time

Dur (hrs)	Comment
3.75	drill 1142' - 1204' 130 rpm, dropped weight on bit to 6 pts to correct drift of hole, mw 8.8 ppg added 80 bbls fresh to shaker tank, rop 16.5 fph
0.25	ran wl survey @ 1134' 1 1/4 deg
5.25	drill 1204 - 1274' 130 rpm, w/6 pts on bit, mw 8.7 ppg, rop 13.3 fph
0.25	ran wl survey @ 1204' 1 1/4 deg
3.25	drill 1274' - 1339', 130 rpm w/6 pts on bit, mw 9 ppg, rop 20 fph, rig service

Report Start Date 2/11/2012	Report End Date 2/12/2012	Operations Summary rig service, jsa h2s monitors w/daylight crew drill 1339' - 1345' 130 rpm w/6 pts on bit, mw 9 ppg, rop 9 fph, ran 1 cup poly sweep on connection, heavy shaker returns, cleaned up in 10 mins normal circ ran wl survey @ 1269' 1 deg drill 1345' - 1405' 130 rpm w/7 pts on bit, mw 8.9 ppg, rop 20 fph ran wl survey @ 1332' 1 deg, drill 1405' - 1465' 130 rpm w/7 pts on bit, mw 8.9 ppg rop 15 fph, ran 1 cup poly sweep on connection, returns heavy across shaker, cleaned up normal returns ran wl survey @ 1395' 1 deg, rig service, jsa h2s monitors w/evening tower crew 1465' - 1527' 130 rpm w/8 pts on bit, mw 8.9 ppg, rop 25 fph, ran 1 cup poly sweep on connection, heavy shaker volume diminished to normal returns ran wl survey @ 1457' 2 deg drill 1527' - 1589' 130 rpm, w/6 pts on bit, mw 8.9 ppg, rop 16.5 fph, ran 1 cup poly sweep on connection, heavy shaker returns, diminished to normal returns ran wl survey @ 1519' 1 1/2 deg drill 1569' - 1651', 130 rpm w/6 pts on bit, mw 8.9 ppg, rop 9 fph, formation harder into top of Chinle ran wl survey @ 1581' 3/4 deg drill 1651' - 1674' 130 rpm w/6 pts on bit, mw 8.9 ppg rop 13 fph hard formation
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Dur (hrs)	Comment
0.25	rig service, jsa h2s monitors w/daylight crew
0.75	drill 1339' - 1345' 130 rpm w/6 pts on bit, mw 9 ppg, rop 9 fph, ran 1 cup poly sweep on connection, heavy shaker returns, cleaned up in 10 mins normal circ
0.25	ran wl survey @ 1269' 1 deg
3.00	drill 1345' - 1405' 130 rpm w/7 pts on bit, mw 8.9 ppg, rop 20 fph
0.25	ran wl survey @ 1332' 1 deg,
4.00	drill 1405' - 1465' 130 rpm w/7 pts on bit, mw 8.9 ppg rop 15 fph, ran 1 cup poly sweep on connection, returns heavy across shaker, cleaned up normal returns
0.50	ran wl survey @ 1395' 1 deg, rig service, jsa h2s monitors w/evening tower crew
2.50	1465' - 1527' 130 rpm w/8 pts on bit, mw 8.9 ppg, rop 25 fph, ran 1 cup poly sweep on connection, heavy shaker volume diminished to normal returns
0.25	ran wl survey @ 1457' 2 deg
3.75	drill 1527' - 1589' 130 rpm, w/6 pts on bit, mw 8.9 ppg, rop 16.5 fph, ran 1 cup poly sweep on connection, heavy shaker returns, diminished to normal returns
0.25	ran wl survey @ 1519' 1 1/2 deg
6.25	drill 1569' - 1651', 130 rpm w/6 pts on bit, mw 8.9 ppg, rop 9 fph, formation harder into top of Chinle
0.25	ran wl survey @ 1581' 3/4 deg
1.75	drill 1651' - 1674' 130 rpm w/6 pts on bit, mw 8.9 ppg rop 13 fph hard formation

Report Start Date 2/12/2012	Report End Date 2/13/2012	Operations Summary Drill from 1674' - 1680' w/130 rpm 5 pts on bit, rop 6 fph ran poly sweep and waited for returns to clean up to shaker circ 2 csg volumes @ 6 bpm, clean returns short trip to collars & rd trip back to bottom no ledges or fill to 1680' rig service tooh w/dp, ld 4 - 8" dc & 8" dh motor, inspect PDC bit, green very little wear nd diverter spool, 20" annular preventer, flow T & rotating head ru san juan csg crew, found that Hbton had provided incorrect csg shoe size, wait on 10 3/4" csg shoe, mu 10 3/4" float shoe & float collar on jt of 10 3/4" J-55 8rd STC csg w/3 centralizers (bottom, middle, top) then 1 centralizer every 4th jt on balance of 39 jts of 10 3/4" csg jts, hang csg in rotary slips @ 1680, 6' stick up above floor ru Hbton cmt head & lines to floor, held safety meeting w/all on location, discussed pressure and line testing, pt hbton line to 3780# ok pump 20 bbl fresh h2o spacer, lead of 920 sks Hbton light 12.5 ppg cmt yield 1.88 cuft/sk, w/5#/sk kol-seal, .125#/sk poly flake, 2% cacl, 225 bbl mix h2o, 308 bbl cmt pump tail of 100 sks class G cmt 15.8 ppg yield 1.15 cu ft/sk, w/.125#.sk poly flake & 118 bbls mix h2o, 20 bbls cmt, shut down pump, drop wiper plug, displace w/165 bbls fresh h2o, bumped plug @ 160 bbls, slow rate of displacement to 2bpm to land plug, plug landed @ 580#, pressured to 1180#, held 10 mins, rel psi flowed 1 bbl back to displacement tank, floats held, circ 94 bbls cmt to surface, vac trucks hauled cmt returns to Envirotech landfarm Farmington, rd hbton (bump plug 0100) cmt started to fall from surface, fell out of sight in 16" x 10 3/4" annulus, waited 5 hrs since bumping plug, pu & r
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Dur (hrs)	Comment
2.00	Drill from 1674' - 1680' w/130 rpm 5 pts on bit, rop 6 fph
0.50	ran poly sweep and waited for returns to clean up to shaker
1.00	circ 2 csg volumes @ 6 bpm, clean returns
1.50	short trip to collars & rd trip back to bottom no ledges or fill to 1680'
0.25	rig service
2.00	tooh w/dp, ld 4 - 8" dc & 8" dh motor, inspect PDC bit, green very little wear
3.25	nd diverter spool, 20" annular preventer, flow T & rotating head
3.00	ru san juan csg crew, found that Hbton had provided incorrect csg shoe size, wait on 10 3/4" csg shoe,



Daily Activity Report

Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)		KB-Casing Flange Distance (ft)		Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time

Dur (hrs)	Comment
3.50	mu 10 3/4" float shoe & float collar on jt of 10 3/4" J-55 8rd STC csg w/3 centralizers (bottom, middle, top) then 1 centralizer every 4th jt on balance of 39 jts of 10 3/4 csg jts, hang csg in rotary slips @ 1680, 6' stick up above floor
1.00	ru Hbton cmt head & lines to floor, held safety meeting w/all on location, discussed pressure and line testing, pt hbton line to 3780# ok
1.50	pump 20 bbl fresh h2o spacer, lead of 920 sks Hbton light 12.5 ppg cmt yield 1.88 cuft/sk, w/5#/sk kol-seal, .125#/sk poly flake, 2% cacl, 225 bbl mix h2o, 308 bbl cmt pump tail of 100 sks class G cmt 15.8 ppg yield 1.15 cu ft/sk, w/.125#/sk poly flake & 118 bbls mix h2o, 20 bbls cmt, shut down pump, drop wiper plug, displace w/165 bbls fresh h2o, bumped plug @ 160 bbls, slow rate of displacement to 2bpm to land plug, plug landed @ 580#, pressured to 1180#, held 10 mins, rel psi flowed
1.00	1 bbl back to displacement tank, floats held, circ 94 bbls cmt to surface, vac trucks hauled cmt returns to Envirotech landfarm Farmington, rd hbton (bump plug 0100)
0.50	cmt started to fall from surface, fell out of sight in 16" x 10 3/4" annulus,
3.50	waited 5 hrs since bumping plug, pu & release csg from rotary slips, slacked off dropped 6", cmt samples still green, woc

Report Start Date 2/13/2012	Report End Date 2/14/2012	Operations Summary cut 10 3/4" csg stub up, nd flow T, 20" annular, 20" diverter spool, cut 16" conductor pipe left 1ft stick up in cellar nd 6" flowline to pit, cut & bevel 10 3/4" stub up to 7" above cellar, weld up 10 3/4" csg head, woc ru Wilson Services wl unit, ran temp survey surface to tag td @ 1638' from surface, toc @ 130' by survey, rd wl unit contact Jeff Brown w/Monticello, Utah BLM office, discussed surface cement job & obtained verbal approval to do top job on 10 3/4" x 16" annulus pressure test seal to 1500# on 11" 3m x 10 3/4" csg head, good test, nu 2" line pipe nipple & ball valve, nu bull plug, ru gas buster & weld up mudline T to closed loop shaker, nu flow 11" 3m spool, 3" 5m hcr valve, stinger to choke 3" 5m choke manifold, nu 11" 5m dual BOP, 11" hydril, 6" flow line safety meeting w/Hbton cmt crew & rig hands, ru hbton pump & 135' of 1" stinger line, mix & pump 23 bbls class G cmt w/.125#/sk poly flake & 2% cacl to fill annulus to surface in cellar, shutdown pump, wait 15 mins, fell down hole 6 ft, pump 6 more bbls cmt, sd 10 mins no fall back, pumped 1 bbl to top off in cellar above 16" conductor pipe stub up total of 30 bbls pumped, rd hbton ru Wilson Services BOP test pump, test blinds to 1500# 15 min, ok, 250# 15 mins ok, run 1 jt 4 1/2" dp, close pipes & test HCR 1500# 15 mins OK, test all chokes & valves in Bop sytem, ck precharge on accumulator bottles jsa picking up 6 1/2" dc pu & mu 9 7/8" mill tooth security bit, bit sub, pu 10 - 6 1/2" dc & 22 stds 4 1/2" dp tag @ 1660', drill out cmt stringers, shoe and 5' of formation
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Dur (hrs)	Comment
2.00	cut 10 3/4" csg stub up, nd flow T, 20" annular, 20" diverter spool, cut 16" conductor pipe left 1ft stick up in cellar
2.00	nd 6" flowline to pit, cut & bevel 10 3/4" stub up to 7" above cellar, weld up 10 3/4" csg head, woc
1.00	ru Wilson Services wl unit, ran temp survey surface to tag td @ 1638' from surface, toc @ 130' by survey, rd wl unit
0.00	contact Jeff Brown w/Monticello, Utah BLM office, discussed surface cement job & obtained verbal approval to do top job on 10 3/4" x 16" annulus
1.50	pressure test seal to 1500# on 11" 3m x 10 3/4" csg head, good test, nu 2" line pipe nipple & ball valve, nu bull plug,
4.00	ru gas buster & weld up mudline T to closed loop shaker, nu flow 11" 3m spool, 3" 5m hcr valve, stinger to choke 3" 5m choke manifold, nu 11" 5m dual BOP, 11" hydril, 6" flow line
1.00	safety meeting w/Hbton cmt crew & rig hands, ru hbton pump & 135' of 1" stinger line,
1.50	mix & pump 23 bbls class G cmt w/.125#/sk poly flake & 2% cacl to fill annulus to surface in cellar, shutdown pump, wait 15 mins, fell down hole 6 ft, pump 6 more bbls cmt, sd 10 mins no fall back, pumped 1 bbl to top off in cellar above 16" conductor pipe stub up total of 30 bbls pumped, rd hbton
4.50	ru Wilson Services BOP test pump, test blinds to 1500# 15 min, ok, 250# 15 mins ok, run 1 jt 4 1/2" dp, close pipes & test HCR 1500# 15 mins OK, test all chokes & valves in Bop sytem, ck precharge on accumulator bottles
0.25	jsa picking up 6 1/2" dc
6.25	pu & mu 9 7/8" mill tooth security bit, bit sub, pu 10 - 6 1/2" dc & 22 stds 4 1/2" dp tag @ 1660', drill out cmt stringers, shoe and 5' of formation

Report Start Date 2/14/2012	Report End Date 2/15/2012	Operations Summary drill from 1685 - 1691', 130 rpm w/8 pts on bit rop 6 fph, circ clean rig service while circ, jsa w/daylights house keeping Id 10 jts 4 1/2" dp for collar room, tooh w/9 7/8" mill tooth bit mu 9 7/8" Security 8 blade PDC on 8" dh motor & attempt to rih, could not work PDC thru csg head, pull bit over gauge, run new 9 7/8" tricone thru csg head, wait on in gauge 9 7/8" 6 blade PDC bit, complete ru of choke and gas buster lines to ld tank, rih w/9 7/8" Security FX65 s/n11681303 PDC bit jetted w/6-18s, 8" dh mtr, 20 6 1/2 dc, 4 jts 4 1/2" hvywt & 14 stds 4 1/2" dp tag @ 1691' drill 1691' - 1764' w/135 rpm @ bit w/8 pts rop 18.25 fph, mw 9 ppg, 30 vis jsa w/eve tower house keeping ran wl survey @ 1694' 3/4 deg drill 1764' - 1856' 135 rpm, 8 - 9 pts on bit, rop 9.7 fph, mw 9 ppg 30 vis added 12 sks soda ash ph control, rtns 65% sandstone, 20% shale, 15% limestone jsa w/morning tower housekeeping
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Dur (hrs)	Comment
1.00	drill from 1685 - 1691', 130 rpm w/8 pts on bit rop 6 fph, circ clean
0.50	rig service while circ, jsa w/daylights house keeping
2.00	ld 10 jts 4 1/2" dp for collar room, tooh w/9 7/8" mill tooth bit
1.00	mu 9 7/8" Security 8 blade PDC on 8" dh motor & attempt to rih, could not work PDC thru csg head, pull bit over gauge, run new 9 7/8" tricone thru csg head,



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Dur (hrs)	Comment
3.00	wait on in gauge 9 7/8" 6 blade PDC bit, complete ru of choke and gas buster lines to ld tank,
2.50	rih w/9 7/8" Security FX65 s/n11681303 PDC bit jetted w/6-18s, 8" dh mtr, 20 6 1/2 dc, 4 jts 4 1/2" hvywt & 14 stds 4 1/2" dp tag @ 1691'
4.00	drill 1691' - 1764' w/135 rpm @ bit w/8 pts rop 18.25 fph, mw 9 ppg, 30 vis jsa w/eve tower house keeping
0.50	ran wl survey @ 1694' 3/4 deg
9.50	drill 1764' - 1856' 135 rpm, 8 - 9 pts on bit, rop 9.7 fph, mw 9 ppg 30 vis added 12 sks soda ash ph control, rtns 65% sandstone, 20% shale, 15% limestone, jsa w/morning tower housekeeping

Report Start Date 2/15/2012	Report End Date 2/16/2012	Operations Summary drill 1856' - 1858' 135 rpm w/9 pts, mw 9 ppg 30 vis, ran poly sweep to clean hole, ran wl survey @ 1788' 3/4 deg, ran 2 cup poly sweep on this connection drill 1858' - 1984' 135 rpm w/10 pts, mw 9 ppg, 31 vis, returns of sandstone & shale, rop 28 fph ran wl survey @ 1912' 3/4 deg ran 2 cup poly sweep on this connection drill 1984' - 2142', 135 rpm, increased wt to 12 - 14 pts, 9 ppg 31 vis, returns of sandstone & increased shale & trace of limestone, rop 52 fph ran wl survey @ 2072' 1 deg, ran 2 cup poly sweep on this connection drill 2142' - 2361' 135 rpm w/14 pts on bit, mw 9.1 ppg 32 vis, returns sandstone & shale & increased limestone, rop 39 fph drill 2361' - 2769' 135 rpm w/14 pts on bit, mw 9.1 ppg, 32 vis, returns sandstone & shale & increased limestone rop 45 fph ran wl survey @ 2699' 1 deg
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Dur (hrs)	Comment
0.50	drill 1856' - 1858' 135 rpm w/9 pts, mw 9 ppg 30 vis, ran poly sweep to clean hole,
0.50	ran wl survey @ 1788' 3/4 deg, ran 2 cup poly sweep on this connection
4.50	drill 1858' - 1984' 135 rpm w/10 pts, mw 9 ppg, 31 vis, returns of sandstone & shale, rop 28 fph
0.50	ran wl survey @ 1912' 3/4 deg ran 2 cup poly sweep on this connection
3.00	drill 1984' - 2142', 135 rpm, increased wt to 12 - 14 pts, 9 ppg 31 vis, returns of sandstone & increased shale & trace of limestone, rop 52 fph
0.50	ran wl survey @ 2072' 1 deg, ran 2 cup poly sweep on this connection
5.50	drill 2142' - 2361' 135 rpm w/14 pts on bit, mw 9.1 ppg 32 vis, returns sandstone & shale & increased limestone, rop 39 fph
8.50	drill 2361' - 2769' 135 rpm w/14 pts on bit, mw 9.1 ppg, 32 vis, returns sandstone & shale & increased limestone rop 45 fph
0.50	ran wl survey @ 2699' 1 deg

Report Start Date 2/16/2012	Report End Date 2/17/2012	Operations Summary rig service, jsa watching for drilling breaks bop drill drill 2769' - 2817' 130 rpm w/14 pts, mw 9.4 ppg vis 33, 90% shale, 10% sandstone returns, rop 32 fph drill 2817' - 2832' 130 rpm w/14 pts mw 9.5 ppg vis 34, 100% shale running shaker full mud up 600 bbl active system w/192 sks mi gel, 6 sks mica, 6 sks poly plus, 3 poly pacR, 12 safecarb 250, 12 safecarb 40, 30 bags sawdust, 15 soda ash, 7 bicarb 26 sks unitrol & 10 sks medium walnut plug, circ system until uniform mw 9.6 ppg 44 vis, cont circ @ 2832', jsa watching pit levels, bop drill drill 2832' - 2888' 130 rpm w/14 pts, mw 9.7 ppg, vis 52, 50% sandstone, 50% shale returns, rop 14 fph, (added 2 sxs lime to inhibit h2s caused increase in vis) drill 2898' - 3063' 130 rpm w/16 - 17 pts, mw 9.8 vis 48, 65% sandstone, 20% shale & 15% limestone returns, rop 16.5 fph jsa bop drill watching pit levels
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Dur (hrs)	Comment
0.50	rig service, jsa watching for drilling breaks bop drill
1.50	drill 2769' - 2817' 130 rpm w/14 pts, mw 9.4 ppg vis 33, 90% shale, 10% sandstone returns, rop 32 fph
1.50	drill 2817' - 2832' 130 rpm w/14 pts mw 9.5 ppg vis 34, 100% shale running shaker full
6.50	mud up 600 bbl active system w/192 sks mi gel, 6 sks mica, 6 sks poly plus, 3 poly pacR, 12 safecarb 250, 12 safecarb 40, 30 bags sawdust, 15 soda ash, 7 bicarb 26 sks unitrol & 10 sks medium walnut plug, circ system until uniform mw 9.6 ppg 44 vis, cont circ @ 2832', jsa watching pit levels, bop drill
4.00	drill 2832' - 2888' 130 rpm w/14 pts, mw 9.7 ppg, vis 52, 50% sandstone, 50% shale returns, rop 14 fph, (added 2 sxs lime to inhibit h2s caused increase in vis)
10.00	drill 2898' - 3063' 130 rpm w/16 - 17 pts, mw 9.8 vis 48, 65% sandstone, 20% shale & 15% limestone returns, rop 16.5 fph jsa bop drill watching pit levels



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Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)		KB-Casing Flange Distance (ft)		Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time

Report Start Date 2/17/2012	Report End Date 2/18/2012	Operations Summary drill 3063' - 3098' 130 rpm, 17 pts, mw 9.9 ppg, 53 vis increase due to clay in shale section 95% shale w/clay & 5 % limestone, rop 17.5 fph drill 3098' - 3113', 130 rpm 17 pts, 9.9 ppg 54 vis, hole getting sticky due to clay returns in shale, ran wl survey @ 3043' 3 deg, circ drill 3113' - 3160' 130 rpm, 14 pts, 9.7 ppg 43 vis, rop 11 fph, hauled off 160 bbls to mud plant to make roon to dilute back mud system & condition, bit chattering Tooh w/dp & bha, pulled tight from 2593' - 2530' work thru & cont tooh didn't feel 10 3/4" shoe, ck 9 7/8" bit, found two nozzles plugged, normal wear on cutters Mu & tih w/9 7/8" FX75 Securitiy PDC bit s/n 11706364 on new 8" dh motor, 10 stds 6 1/2" dc & 17 stds 4 1/2" xo dp to 1700', kelly up & circ @ 1300# good returns below 10 3/4" shoe, hang back kelly & cont tih to tag @ 2650', kelly up & wash down to 2667' work thru section 30 mins good returns no drag up no set dwn wght, run std to 2720', wash down 2720 - 2760', no drag or set dwn wght, hang back kelly cont tih to tag @ 2890', pushed thru tag to 2894', attempt to pu to last tool jt 23' up, pipe stuck, work pipe did not have means to circ work pipe pulled to 140k string weight 108k nu circ swedge on top of tool jt 20' above floor next conn 3' below rotary, attempt to circ thru dp, motor rotating backwards when attempting circ, set slips in rotary table & make up torque, 5 rds torq lost 1, nd circ sedge & nu kelly 20' above floor, use rotary slips to mu kelly in tooljoint Rig owner Donnie Keenam arrived and worked pipe to 210K, slight movement down hole 6" while circ to shakers w/565#
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Dur (hrs)	Comment
2.00	drill 3063' - 3098' 130 rpm, 17 pts, mw 9.9 ppg, 53 vis increase due to clay in shale section 95% shale w/clay & 5 % limestone, rop 17.5 fph
1.50	drill 3098' - 3113', 130 rpm 17 pts, 9.9 ppg 54 vis, hole getting sticky due to clay returns in shale,
0.50	ran wl survey @ 3043' 3 deg, circ
4.00	drill 3113' - 3160' 130 rpm, 14 pts, 9.7 ppg 43 vis, rop 11 fph, hauled off 160 bbls to mud plant to make roon to dilute back mud system & condition, bit chattering
4.00	Tooh w/dp & bha, pulled tight from 2593' - 2530' work thru & cont tooh didn't feel 10 3/4" shoe, ck 9 7/8" bit, found two nozzles plugged, normal wear on cutters
3.50	Mu & tih w/9 7/8" FX75 Securitiy PDC bit s/n 11706364 on new 8" dh motor, 10 stds 6 1/2" dc & 17 stds 4 1/2" xo dp to 1700', kelly up & circ @ 1300# good returns below 10 3/4" shoe,
1.00	hang back kelly & cont tih to tag @ 2650', kelly up & wash down to 2667' work thru section 30 mins good returns no drag up no set dwn wght, run std to 2720',
0.50	wash down 2720 - 2760', no drag or set dwn wght, hang back kelly
0.50	cont tih to tag @ 2890', pushed thru tag to 2894', attempt to pu to last tool jt 23' up, pipe stuck, work pipe did not have means to circ
0.50	work pipe pulled to 140k string weight 108k
0.50	nu circ swedge on top of tool jt 20' above floor next conn 3' below rotary,
3.00	attempt to circ thru dp, motor rotating backwards when attempting circ, set slips in rotary table & make up torque, 5 rds torq lost 1,
1.00	nd circ sedge & nu kelly 20' above floor, use rotary slips to mu kelly in tooljoint
1.50	Rig owner Donnie Keenam arrived and worked pipe to 210K, slight movement down hole 6" while circ to shakers w/565#

Report Start Date 2/18/2012	Report End Date 2/19/2012	Operations Summary cont to work stuck pipe, freed up pipe worked down while circ thru kelly, worked pipe down to insert kelly into rotary table circ heavy fines nothing bigger than sand size filter cake type returns, circ until returns diminished to dirty fluid wash down from 2870' - 2960', circ & recip each jt until free drill 2960' - 3207' 130 rpm w/14 pts mw 9.9 ppg, 45 vis, returns of 50% shale 50% sandstone, clay in returns, pump off 80 bbls of mud to ld tank, condition mud ran wl survey @ 3137' 2 1/4 deg drill 3207' - 3240' 130 rpm w/14 pts on bit, mw 9.9 ppg, 44 vis, returns 50% shale 50% sandstone, rop 16.5 fph start ru of centrifuge to clean mud drill 3240' - 3332' 130 rpm w/14 pts on bit, mw 9.9 ppg, 42 vis, returns 60% sandstone 40% shale, rop 18 fph centrifuge running @ 2000 hrs ran wl survey @ 3262' 2 deg drill 3332' - 3475' 130 rpm w/14 pts on bit, mw 9.7 ppg 42 vis, returns 90% shale 10% limestone, rop 16.8 fph centrifuge is pulling weight down
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Dur (hrs)	Comment
1.00	cont to work stuck pipe, freed up pipe worked down while circ thru kelly, worked pipe down to insert kelly into rotary table
1.00	circ heavy fines nothing bigger than sand size filter cake type returns, circ until returns diminished to dirty fluid
3.50	wash down from 2870' - 2960', circ & recip each jt until free
2.00	drill 2960' - 3207' 130 rpm w/14 pts mw 9.9 ppg, 45 vis, returns of 50% shale 50% sandstone, clay in returns, pump off 80 bbls of mud to ld tank, condition mud
0.50	ran wl survey @ 3137' 2 1/4 deg
2.00	drill 3207' - 3240' 130 rpm w/14 pts on bit, mw 9.9 ppg, 44 vis, returns 50% shale 50% sandstone, rop 16.5 fph start ru of centrifuge to clean mud
5.00	drill 3240' - 3332' 130 rpm w/14 pts on bit, mw 9.9 ppg, 42 vis, returns 60% sandstone 40% shale, rop 18 fph centrifuge running @ 2000 hrs
0.50	ran wl survey @ 3262' 2 deg



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Dur (hrs)	Comment
8.50	drill 3332' - 3475' 130 rpm w/14 pts on bit, mw 9.7 ppg 42 vis, returns 90% shale 10% limestone, rop 16.8 fph centrifuge is pulling weight down

Report Start Date 2/19/2012	Report End Date 2/20/2012	Operations Summary drill 3475' - 3516' 130 rpm w/14 pts on bit, mw 9.6 ppg 44 vis, 90% shale, 10% limestone, rop 9 fph ran wl survey @ 3446' 2 deg rig service drill 3516' - 3529' 130 rpm w/14 pts on bit, mw 9.6 ppg 46 vis, varied wob from 14 - 20 pts could not get differential psi across bit, pumped sk of walnut plug in attempt to clear bit, rop 2 - 3 fph, pu off bottom several times & recal weight ok, varied rpm from 100 - 130 rpm could not make hole, hang back kelly & tooth w/6 stds & single, hole pulled tight @ 3136' kelly up & work tight hole from 3136' - 3011' tooth w/drillstring, ld mtr & load out same on hotshot to SW bit, bit balled up in 4 of 7 courses very hard almost epoxy like clay material plugged in courses, normal wear rack out & tally 4 - 8" dcs pu & mu 9 7/8" Security tricone QH30R bit s/n 11901390 jetted w/3 -18s, bit sub, 4 - 8" dc, 10 stds 6 1/2" dc, 4 stds 4 1/2" hvywt dp tih on 4 1/2" dp to below shoe @ 1700', circ @ 1700' mw 9.2 ppg 44 vis, circ until clean tih from 1700' to tag @ 2710' kelly up & wash down work section from 2710' - 2890' w/4 singles, work until normal up/down wght hang kelly back & ld 4 singles tih w/4 stds dp, broke down last stand hole sticky, kelly up to circ
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Dur (hrs)	Comment
4.50	drill 3475' - 3516' 130 rpm w/14 pts on bit, mw 9.6 ppg 44 vis, 90% shale, 10% limestone, rop 9 fph
0.50	ran wl survey @ 3446' 2 deg rig service
5.00	drill 3516' - 3529' 130 rpm w/14 pts on bit, mw 9.6 ppg 46 vis, varied wob from 14 - 20 pts could not get differential psi across bit, pumped sk of walnut plug in attempt to clear bit, rop 2 - 3 fph, pu off bottom several times & recal weight ok, varied rpm from 100 - 130 rpm could not make hole,
0.50	hang back kelly & tooth w/6 stds & single, hole pulled tight @ 3136'
0.50	kelly up & work tight hole from 3136' - 3011'
3.50	tooth w/drillstring, ld mtr & load out same on hotshot to SW bit, bit balled up in 4 of 7 courses very hard almost epoxy like clay material plugged in courses, normal wear
1.00	rack out & tally 4 - 8" dcs
2.50	pu & mu 9 7/8" Security tricone QH30R bit s/n 11901390 jetted w/3 -18s, bit sub, 4 - 8" dc, 10 stds 6 1/2" dc, 4 stds 4 1/2" hvywt dp
1.50	tih on 4 1/2" dp to below shoe @ 1700',
0.50	circ @ 1700' mw 9.2 ppg 44 vis, circ until clean
0.50	tih from 1700' to tag @ 2710'
2.25	kelly up & wash down work section from 2710' - 2890' w/4 singles, work until normal up/down wght
0.75	hang kelly back & ld 4 singles
0.50	tih w/4 stds dp, broke down last stand hole sticky, kelly up to circ

Report Start Date 2/20/2012	Report End Date 2/21/2012	Operations Summary Cont circ @ 3100', wash & ream down to 3529'. MW 9.2 ppg, 44 vis, returns heavy volume of sandstone & shale. Drill 3529' - 3703' w/76 rpm on bit, running 48 - 50 pts on bit. MW 9.3 ppg, vis 46 - 50, 12.5 FPH. Ran WL survey @ 3663' 2 deg. Drill 3703' - 3778' w/76 rpm on bit, 50 pts, MW 9.3 ppg, vis 48, 14 FPH.
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Dur (hrs)	Comment
4.00	cont circ @ 3100 wash & ream down to 3529' mw 9.2 ppg, 44 vis, returns heavy volume of sandstone & shale
14.00	drill 3529' - 3703' w/76 rpm on bit running 48 - 50 pts on bit, mw 9.3 ppg vis 46 - 50, 12.5 fph
0.50	ran wl survey @ 3663' 2 deg
5.50	drill 3703' - 3778' w/76 rpm on bit 50 pts mw 9.3 ppg vis 48, 14 fph

Report Start Date 2/21/2012	Report End Date 2/22/2012	Operations Summary drill 3778' - 3894' 75 rpm w/50 - 55 pts on bit, mw 9.2 ppg vis 52, 80% shale 10% sandstone 10% limestone, rop 11.6 fph rate picking up when 55 pts on bit drill 3894' - 3922' 75 rpm w/55 pts on bit, mw 9.3 ppg vis 48, 95% shale 5% sandstone, trace anhydrite, rop 15 fph rig service ran wl survey 3862' 2 deg drill 3922' - 4063' 75 rpm w/55 pts on bit, mw 9.0 ppg, vis 56, ph 10, fluid loss 7, 100% shale, MW 9.3 ppg, vis 48, 14 FPH
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Dur (hrs)	Comment
10.00	drill 3778' - 3894' 75 rpm w/50 - 55 pts on bit, mw 9.2 ppg vis 52, 80% shale 10% sandstone 10% limestone, rop 11.6 fph rate picking up when 55 pts on bit
2.00	drill 3894' - 3922' 75 rpm w/55 pts on bit, mw 9.3 ppg vis 48, 95% shale 5% sandstone, trace anhydrite, rop 15 fph
0.50	rig service
0.50	ran wl survey 3862' 2 deg
11.00	drill 3922' - 4063' 75 rpm w/55 pts on bit, mw 9.0 ppg, vis 56, ph 10, fluid loss 7, 100% shale, rop 12.8 fph increasing to 18 fph last 2 hrs



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Report Start Date 2/22/2012	Report End Date 2/23/2012	Operations Summary drill 4063 - 4141', 75 rpm w/55 pts on bit, mw 9 ppg, 56 vis, ph 10, 100% shale returns, rop 12 fph, sp psi started to drop from 1300 - 1000# mud aired up ran wl survey @ 4101' 2 1/4 deg drill 4141' - 4161' 75 rpm w/55 pts on bit, mw 9.2 ppg 55 - 60 vis, ph 11, transitioning from 100% shale to 65% shale 35% sandstone, condition mud pump off 120 bbl pump pressure continue to drop 1000 - 800 then back up to 900, ck for wash out by shutting down rotary & set down wght no psi change, pu off bottom no psi change drill 4161' - 4230', 75 rpm w/55 pts on bit, mw 9.2 ppg, 63 vis, ph 11.3, 50% shale, 45% sandstone, 5% limestone, cont to condition mud, psi 850 - 900# raising ph w/caustic soda reducing aireation in mud, psi continued to drop while p-rate constant @ 10 - 11 fph, drill 4230 - 4320', mw 9.3 ppg ph 12, fluid loss 9 returns 90% shale & 10% limestone, pressure dropped to 550#, still same p-rate and returns are changing, decide to make bit trip
Dur (hrs)		Comment
		7.50 drill 4063 - 4141', 75 rpm w/55 pts on bit, mw 9 ppg, 56 vis, ph 10, 100% shale returns, rop 12 fph, sp psi started to drop from 1300 - 1000# mud aired up 0.50 ran wl survey @ 4101' 2 1/4 deg 2.00 drill 4141' - 4161' 75 rpm w/55 pts on bit, mw 9.2 ppg 55 - 60 vis, ph 11, transitioning from 100% shale to 65% shale 35% sandstone, condition mud pump off 120 bbl pump pressure continue to drop 1000 - 800 then back up to 900, ck for wash out by shutting down rotary & set down wght no psi change, pu off bottom no psi change 6.00 drill 4161' - 4230', 75 rpm w/55 pts on bit, mw 9.2 ppg, 63 vis, ph 11.3, 50% shale, 45% sandstone, 5% limestone, cont to condition mud, psi 850 - 900# 8.00 raising ph w/caustic soda reducing aireation in mud, psi continued to drop while p-rate constant @ 10 - 11 fph, drill 4230 - 4320', mw 9.3 ppg ph 12, fluid loss 9 returns 90% shale & 10% limestone, pressure dropped to 550#, still same p-rate and returns are changing, decide to make bit trip
Report Start Date 2/23/2012	Report End Date 2/24/2012	Operations Summary drill 4320 - 4325' 75 rpm w/55 pts on bit. Mw 9.2 ppg, vis 58, ph 11.4, lost pressure to less than 500#, returns circ 65% shale 35% sandstone tooh w/dp & bha, ld 9 7/8" tricone, fair shape, few missing buttons, still in gauge, tally & mu 9 7/8" PDC 7 blade Security bit FMH 37532, s/n 1129140, 4 - 8" dc check every connection tih w/10 stds 6 1/2" dc broke down every connection to check for cracks or signs of wear, 2 stds 4 1/2" hvwyt dp & 13 stds 4 1/2" dp to 1733' kelly up & test dh mtr w/485# motor turning felt vibration kelly back & tih w/4 stds, no tag or corkscrewed hole to 4315' kelly up & circ w/mtr @ 456 gpm, pressure would not go above 485#, pumped off 200 bbls mud to storage, cont mud chks 9.3 ppg, 48 vis, ph 11 cont conditioning mud, set down 7 pts on pdc @ 4315', 25# diff pressure, rop 3 fph, still having pressure problem, isolate pump and kelly line, found wash out in line inside main mud pit, ordered out hi pressure hose to by-pass steel line in pit, pu off bottom & circ waiting for bypass hose
Dur (hrs)		Comment
		2.00 drill 4320 - 4325' 75 rpm w/55 pts on bit. Mw 9.2 ppg, vis 58, ph 11.4, lost pressure to less than 500#, returns circ 65% shale 35% sandstone 4.00 tooh w/dp & bha, ld 9 7/8" tricone, fair shape, few missing buttons, still in gauge, 1.00 tally & mu 9 7/8" PDC 7 blade Security bit FMH 37532, s/n 1129140, 4 - 8" dc check every connection 4.50 tih w/10 stds 6 1/2" dc broke down every connection to check for cracks or signs of wear, 2 stds 4 1/2" hvwyt dp & 13 stds 4 1/2" dp to 1733' 0.50 kelly up & test dh mtr w/485# motor turning felt vibration 2.00 kelly back & tih w/4 stds, no tag or corkscrewed hole to 4315' 10.00 kelly up & circ w/mtr @ 456 gpm, pressure would not go above 485#, pumped off 200 bbls mud to storage, cont mud chks 9.3 ppg, 48 vis, ph 11 cont conditioning mud, set down 7 pts on pdc @ 4315', 25# diff pressure, rop 3 fph, still having pressure problem, isolate pump and kelly line, found wash out in line inside main mud pit, ordered out hi pressure hose to by-pass steel line in pit, pu off bottom & circ waiting for bypass hose
Report Start Date 2/24/2012	Report End Date 2/25/2012	Operations Summary circ @ 4320' while waiting on bypass line ru 4" bypass line to kelly valve, est circ @ 1510# w/465 gpm mw 9.2 ppg vis 41 ph 11, start drilling w/130 rpm & 8 pts on bit to establish pdc pattern drill from 4320' - 4422' 130 rpm on bit w/9 - 12 pts, mw 9.2 ppg, vis 41, returns of 95% shale & 5% sandstone rop 29 fph ran wl survey @ 4370' 2 1/4 deg drill from 4422' - 4642', 125 rpm, 12 - 14 pts on bit, mw 9.3 ppg vis 41 returns 75% shale 25% sandstone, rop 40 fph ran wl survey @ 4567' 1 1/4 deg drill 4642' - 4795' 125 rpm, 12 - 14 pts on bit, mw 9.3 ppg, vis 41, returns 60% limestone, 30% shale & 10% sandstone, rop 14 fph formation increasing in hardness brought on ABC h2s safety trailer @ midnight as precaution prior to drilling into upper Ismay
Dur (hrs)		Comment
		2.00 circ @ 4320' while waiting on bypass line 0.50 ru 4" bypass line to kelly valve, 0.50 est circ @ 1510# w/465 gpm mw 9.2 ppg vis 41 ph 11, start drilling w/130 rpm & 8 pts on bit to establish pdc pattern 3.50 drill from 4320' - 4422' 130 rpm on bit w/9 - 12 pts, mw 9.2 ppg, vis 41, returns of 95% shale & 5% sandstone rop 29 fph 0.50 ran wl survey @ 4370' 2 1/4 deg 5.50 drill from 4422' - 4642', 125 rpm, 12 - 14 pts on bit, mw 9.3 ppg vis 41 returns 75% shale 25% sandstone, rop 40 fph 0.50 ran wl survey @ 4567' 1 1/4 deg



Daily Activity Report

Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)		KB-Casing Flange Distance (ft)		Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time

Dur (hrs)		Comment
11.00		drill 4642' - 4795' 125 rpm, 12 - 14 pts on bit, mw 9.3 ppg, vis 41, returns 60% limestone, 30% shale & 10% sandstone, rop 14 fph formation increasing in hardness brought on ABC h2s safety trailer @ midnight as precaution prior to drilling into upper ls may
Report Start Date 2/25/2012	Report End Date 2/26/2012	Operations Summary drill from 4795' - drill from 4795' - 4817' 125 rpm w/12 -14 pts on bit, mw 9.3 ppg 40 vis 11 ph, transition zone between shale & sandstone slowed p-rate ran w/ survey @ 4760' 1 1/4 deg rig service drill 4817' - 4901' 125 rpm varied wob 14 - 20 pts mw 9.3 ppg 41 vis 11ph, transition into 100% limestone, 16.8 fph drill 4901' - 5013' 125 rpm wob 18 pts, mw 9.4 ppg 38 vis 11 ph, 100% limestone returns, 14 fph avg w/some 40 fph breaks ran w/ survey @ 4937' 3/4 deg rig service drill from 5013' - 5105' 125 rpm wob 18 pts, mw 9.4 ppg 38 vis 11.5 ph, 90% limestone 10% shale 17 fph
Report Start Date 2/26/2012	Report End Date 2/27/2012	Operations Summary drill 5105' - 5124' 125 rpm w/14 pts on bit, mw 9.3 ppg 39 vis 11 ph, 90% limestone, 10 % shale drill 5124' - 5201' 125 rpm w/15 - 16 pts on bit, mw 9.4 ppg, 40 vis, 11.2 ph, 100% limestone 15.5 fph ran w/ survey @ 5129' 1 1/2 deg drill 5201' - 5327' 125 rpm w/15 - 18 pts on bit, mw 9.4 ppg, 40 vis 11.2 ph, 90% limestone 10% hard shale 14.8 fph drill 5327' - 5360' 125 rpm w/18 pts on bit, mw 9.4 ppg, 40 vis 11.3 ph, 100% limestone, 9 fph, rotary table problem very rough rig repair, replaced rubber bushing in rotary table & adjust chain drill 5360 - 5365' 125 rpm w/18 pts on bit, mw 9.3 ppg 42 vis 11 ph, 100% limestone,
Dur (hrs)		Comment
2.00		drill 5105' - 5124' 125 rpm w/14 pts on bit, mw 9.3 ppg 39 vis 11 ph, 90% limestone, 10 % shale
5.00		drill 5124' - 5201' 125 rpm w/15 - 16 pts on bit, mw 9.4 ppg, 40 vis, 11.2 ph, 100% limestone 15.5 fph
0.50		ran w/ survey @ 5129' 1 1/2 deg
8.50		drill 5201' - 5327' 125 rpm w/15 - 18 pts on bit, mw 9.4 ppg, 40 vis 11.2 ph, 90% limestone 10% hard shale 14.8 fph
3.50		drill 5327' - 5360' 125 rpm w/18 pts on bit, mw 9.4 ppg, 40 vis 11.3 ph, 100% limestone, 9 fph, rotary table problem very rough
3.50		rig repair, replaced rubber bushing in rotary table & adjust chain
1.00		drill 5360 - 5365' 125 rpm w/18 pts on bit, mw 9.3 ppg 42 vis 11 ph, 100% limestone,
Report Start Date 2/27/2012	Report End Date 2/28/2012	Operations Summary drill 5365' - 5385' 140 rpm w/14 - 18 pts on bit, mw 9.3 ppg 40 vis 10 ph, 100% limestone, 10 fph w/ survey @ 5310' 1 deg drill 5385' - 5435' 140 rpm 18 pts on bit, mw 9.3 ppg 42 vis 11 ph, 100% limestone changing to 60% shale & 40% limestone 16 fph drill 5435' - 5449' 135 rpm 15 - 18 pts on bit, mw 9.3 ppg 41 vis 11 ph, 60% shale 40% limestone changing to 100% shale drlg breaks to 38 fph avg 14 fph ls may top drill 5449' -5469' 135 rpm 14 - 18 pts on bit, mw 9.3 ppg, 40 vis 10.8 ph, 100% shale, very hard drilling, slowed p-rate pumped sk walnut plug to make sure not balling sweep didn't increase p-rate avg 6 fph this section, transitioning to limestone drill 5481 -5500' 135 rpm 18 - 19 pts on bit, mw 9.3 ppg, 42 vis, 10.5 ph, 95% limestone 5% shale transition to 100% limestone, 9.5 fph drill 5500 - 5510' 135 rpm 19 pts on bit mw 9.3 ppg, 43 vis, 10.6 ph, 100% limestone 6 - 7 fph starting to get increase to 11 fph when changing towers drill 5510' - 5552' 135 rpm 19 pts on bit, mw 9.4 ppg, 42 vis, 10.4 ph, 100% limestone, 5 fph
Dur (hrs)		Comment
2.00		drill 5365' - 5385' 140 rpm w/14 - 18 pts on bit, mw 9.3 ppg 40 vis 10 ph, 100% limestone, 10 fph
0.50		w/ survey @ 5310' 1 deg
3.00		drill 5385' - 5435' 140 rpm 18 pts on bit, mw 9.3 ppg 42 vis 11 ph, 100% limestone changing to 60% shale & 40% limestone 16 fph
1.00		drill 5435' - 5449' 135 rpm 15 - 18 pts on bit, mw 9.3 ppg 41 vis 11 ph, 60% shale 40% limestone changing to 100% shale drlg breaks to 38 fph avg 14 fph ls may top
6.00		drill 5449' -5469' 135 rpm 14 - 18 pts on bit, mw 9.3 ppg, 40 vis 10.8 ph, 100% shale, very hard drilling, slowed p-rate pumped sk walnut plug to make sure not balling sweep didn't increase p-rate avg 6 fph this section, transitioning to limestone
2.00		drill 5481 -5500' 135 rpm 18 - 19 pts on bit, mw 9.3 ppg, 42 vis, 10.5 ph, 95% limestone 5% shale transition to 100% limestone, 9.5 fph
1.50		drill 5500 - 5510' 135 rpm 19 pts on bit mw 9.3 ppg, 43 vis, 10.6 ph, 100% limestone 6 - 7 fph starting to get increase to 11 fph when changing towers
8.00		drill 5510' - 5552' 135 rpm 19 pts on bit, mw 9.4 ppg, 42 vis, 10.4 ph, 100% limestone, 5 fph



Daily Activity Report

Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)		KB-Ground Distance (ft)		KB-Casing Flange Distance (ft)	Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time

Report Start Date 2/28/2012	Report End Date 2/29/2012	Operations Summary drill 5552' - 5592' 120 - 140 rpm, 14 - 19 pts on bit, varied wt and rpm in attempt to maintain p-rate, pumped 5 gal drill zone surfactant every 1 - 2 hrs to increase p-rate from 2 fph to 6 fph, avg p rate 4 fph this section, mw 9.3 ppg 40 vis 10.5 ph, very hard 100% limestone this section thru Honaker trail formation drill 5592' - 5597, 135 rpm w/19 pts on bit, mw 9.3 ppg, 40 vis ph 11, significant increase in p-rate to 60 fph @ 5597', drill to 5614' & stop to catch samples circ 3' off bottom @ 5611' to catch btms up samples before proceeding, samples 100% gothic shale very brittle soft formation returns consult w/mud loggers & Resolute geologist Jill Haynie before cont to drill drill 5614' - 5619' @ 60 fph then p-rate dropped to 13 fph then dropped to 7 fph while drilling to 5623', circ btms up samples from 5623' confirmed TD @ 5623' for prod csg seat @ this depth in low sand wedge 100% limestone ran wl survey @ 5559' 1 1/4 deg circ @ 5623' until trace to no sample returns, rig service short trip to surf csg shoe @ 1680', normal hole drag on trip tih from from surf csg shoe to 5623' no tag or fill to 5623', circ btms up @ 5623' clean returns mw 9.4 ppg 41 vis 10.5 ph tooh w/dp to 6.5 dc, had accident floor hand was struck in knee with snubbing line cable while pulling back 6.5 dc, ok slight bruise will send Hse report cont tooh & sb dc
Dur (hrs)		Comment

100.00 drill 5552' - 5592' 120 - 140 rpm, 14 - 19 pts on bit, varied wt and rpm in attempt to maintain p-rate, pumped 5 gal drill zone surfactant every 1 - 2 hrs to increase p-rate from 2 fph to 6 fph, avg p rate 4 fph this section, mw 9.3 ppg 40 vis 10.5 ph, very hard 100% limestone this section thru Honaker trail formation

1.50 drill 5592' - 5597, 135 rpm w/19 pts on bit, mw 9.3 ppg, 40 vis ph 11, significant increase in p-rate to 60 fph @ 5597', drill to 5614' & stop to catch samples

1.00 circ 3' off bottom @ 5611' to catch btms up samples before proceeding, samples 100% gothic shale very brittle soft formation returns

0.25 consult w/mud loggers & Resolute geologist Jill Haynie before cont to drill

0.75 drill 5614' - 5619' @ 60 fph then p-rate dropped to 13 fph then dropped to 7 fph while drilling to 5623',

1.00 circ btms up samples from 5623' confirmed TD @ 5623' for prod csg seat @ this depth in low sand wedge 100% limestone

0.50 ran wl survey @ 5559' 1 1/4 deg

1.00 circ @ 5623' until trace to no sample returns, rig service

2.00 short trip to surf csg shoe @ 1680', normal hole drag on trip

2.00 tih from from surf csg shoe to 5623' no tag or fill to 5623',

1.00 circ btms up @ 5623' clean returns mw 9.4 ppg 41 vis 10.5 ph

2.50 tooh w/dp to 6.5 dc, had accident floor hand was struck in knee with snubbing line cable while pulling back 6.5 dc, ok slight bruise will send Hse report

0.50 cont tooh & sb dc

Report Start Date 2/29/2012	Report End Date 3/1/2012	Operations Summary cont tooh sb 6.5 dc, laydown 4 - 8" dc, 8" dh motor & 9 7/8" PDC bit, ck bit cond green would run again sa w Weatherford wl & rig crew, reviewed well condition and h2s awareness and personal monitors discussed muster point ru wl sheaves in derrick and prep to rih w/logging suite while picking up wl tools, line spooled incorrectly going thru lower sheave and had to be tested for continuity, cked ok cont w job rih w/wl suite log tag fill @ 5600', log from 5600' - surf csg shoe @ 1680' rd wl pu bit sub & 9 7/8" tricone bit on 6 1/2" dc, tih w/10 stds dc, 4 stds hvywt, & 30 stds dp to 1694' circ @ 1694', good clean mud returns cont tih w/dp to tag @ 5593', circ & wash down to 5623' td circ @ td until clean mud returns tooh laying down dp & racking out in baskets
Dur (hrs)		Comment

2.00 cont tooh sb 6.5 dc, laydown 4 - 8" dc, 8" dh motor & 9 7/8" PDC bit, ck bit cond green would run again

0.50 jsa w Weatherford wl & rig crew, reviewed well condition and h2s awareness and personal monitors discussed muster point

0.50 ru wl sheaves in derrick and prep to rih w/logging suite

1.00 while picking up wl tools, line spooled incorrectly going thru lower sheave and had to be tested for continuity, cked ok cont w job

9.00 rih w/wl suite log tag fill @ 5600', log from 5600' - surf csg shoe @ 1680'

0.50 rd wl

2.50 pu bit sub & 9 7/8" tricone bit on 6 1/2" dc, tih w/10 stds dc, 4 stds hvywt, & 30 stds dp to 1694'

0.50 circ @ 1694', good clean mud returns

3.50 cont tih w/dp to tag @ 5593', circ & wash down to 5623' td

1.50 circ @ td until clean mud returns

2.50 tooh laying down dp & racking out in baskets



Daily Activity Report

Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)		KB-Ground Distance (ft)		KB-Casing Flange Distance (ft)	Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time

Report Start Date 3/1/2012	Report End Date 3/2/2012	Operations Summary cont laying down & racking out dp & collars in baskets jsa w/sj csg crew, pinch points and suspended csgmu 7" Hbton auto-fill csg shoe, 1 jt 7" 26# J-55 csg, Hbton float collar, ran 3 -centralizers on first jt then1 every 4th jt, ran 72 more jts 7" csg, Hbton diverter tool, 61 more jts of 7" csg circulated every 10 jts clean mud returns, tag up @ 5593', circ & wash down clean mud returns to TD @ 5623', pu 1' off bottom circ 1' off bottom clean mud returns ru hbton cmt crew, run hardline bails to rig floor jsa w/rig crew & hbton cmt crew, max pressure 3000#, pt lines to 4000# stay off rig floor during job, discussed working above floor for hbton to drop plug pt cmt lines to 4000# ok, pump 20bbls dyed spacer, lead w/278 bbls 12.3 ppg cmt 800 sks 1.95 cuft yield, tail w/21bbls 15.6 ppg cmt 100 sks 1.15 cuft sk yeild, sd drop plug, displace w/140 bbls fresh h2o & 80 bbls mud, bumped plug @ 1100#, press to 1929, rel psi fb 1.75 bbls, dropped dv tool bomb wait 15 min, open tool 608# circ from dv tool @ 2536' w/9.3 ppg mud, returned dyed spacer & 80 bbls cmt from 1st stage (50 bbls from reaching surface on 1st stage) sm w/hbton, nd rig circ line, nu hbton to cmt head & pt lines 4000# ok, pump 10 bbl h2o, 20 bbl mud, 10 bbl h2o spacers, lead w/180 bbls 12.3 ppg cmt 520 sks 1.94 cuft yeild, tail w/21 bbls 15.6 ppg cmt 100 sks 1.15 cuft yield, drop plug, displace w/96 bbls h2o, circ 43 bbls good cmt to surf, bump plug @ 735#, psi to 2325# to close dv tool, released psi flowed back 1 bbl rd hbton cmt head & lines, load out 100 bbls cmt returns to envirotech Farmington, balance of cmt returns to be hauled during pit clean, wash out bop stack w/ fresh WOC
Dur (hrs)		Comment

2.50 cont laying down & racking out dp & collars in baskets

0.50 jsa w/sj csg crew, pinch points and suspended csg

7.00 mu 7" Hbton auto-fill csg shoe, 1 jt 7" 26# J-55 csg, Hbton float collar, ran 3 -centralizers on first jt then1 every 4th jt, ran 72 more jts 7" csg, Hbton diverter tool, 61 more jts of 7" csg circulated every 10 jts clean mud returns, tag up @ 5593', circ & wash down clean mud returns to TD @ 5623', pu 1' off bottom

1.00 circ 1' off bottom clean mud returns

0.75 ru hbton cmt crew, run hardline bails to rig floor

0.25 jsa w/rig crew & hbton cmt crew, max pressure 3000#, pt lines to 4000# stay off rig floor during job, discussed working above floor for hbton to drop plug

4.00 pt cmt lines to 4000# ok, pump 20bbls dyed spacer, lead w/278 bbls 12.3 ppg cmt 800 sks 1.95 cuft yield, tail w/21bbls 15.6 ppg cmt 100 sks 1.15 cuft sk yeild, sd drop plug, displace w/140 bbls fresh h2o & 80 bbls mud, bumped plug @ 1100#, press to 1929, rel psi fb 1.75 bbls, dropped dv tool bomb wait 15 min, open tool 608#

4.00 circ from dv tool @ 2536' w/9.3 ppg mud, returned dyed spacer & 80 bbls cmt from 1st stage (50 bbls from reaching surface on 1st stage)

2.00 sm w/hbton, nd rig circ line, nu hbton to cmt head & pt lines 4000# ok, pump 10 bbl h2o, 20 bbl mud, 10 bbl h2o spacers, lead w/180 bbls 12.3 ppg cmt 520 sks 1.94 cuft yeild, tail w/21 bbls 15.6 ppg cmt 100 sks 1.15 cuft yield, drop plug, displace w/96 bbls h2o, circ 43 bbls good cmt to surf, bump plug @ 735#, psi to 2325# to close dv tool, released psi flowed back 1 bbl

2.00 rd hbton cmt head & lines, load out 100 bbls cmt returns to envirotech Farmington, balance of cmt returns to be hauled during pit clean, wash out bop stack w/ fresh WOC

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTSL 070968

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR:
Resolute Natural Resources Company

3. ADDRESS OF OPERATOR:
1675 Broadway, Ste 195 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 573-4886

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 935 FSL, 2078 FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 935 FSL, 2078 FWL

AT TOTAL DEPTH: 935 FSL, 2078 FWL

7. UNIT or CA AGREEMENT NAME
Aneth Unit

8. WELL NAME and NUMBER:
Aneth Unit B414

9. API NUMBER:
4303750011

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SESW 14 40S 23E S

12. COUNTY
San Juan

13. STATE
UTAH

14. DATE SPURRED:
2/9/2012

15. DATE T.D. REACHED:
3/7/2012

16. DATE COMPLETED:
3/10/2012

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
4724 GL

18. TOTAL DEPTH: MD 5,695
TVD 5,695

19. PLUG BACK T.D.: MD
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

NONE

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
6.125	7 J-55	26	0	5,623		900		1850	
14.75	10.75 J-55	40.5	90	1,680		lite 1030		0	94 bbls
6.125	7 J-55	26	2,536		5,623	620		2495	43 bbls

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3.5	5,545	5,556	7					

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Chinle	1,650							Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Cutler	2,640							Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C) U. Ismay	5,520							Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D) Desert Creek IIA	5,645							Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☒ OTHER: schematic

30. WELL STATUS:

Producing

RECEIVED

MAY 03 2012

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 3/29/2012		TEST DATE: 4/16/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 760	GAS – MCF: 2,642	WATER – BBL: 782	PROD. METHOD: flowing
CHOKE SIZE: 48/64	TBG. PRESS. 557	CSG. PRESS.	API GRAVITY 40.00	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 760	GAS – MCF: 2,642	WATER – BBL: 782	INTERVAL STATUS:

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

injected CO2

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

producing 2.6 Mcf CO2, reinjected into formation, completed open hole, no logs run

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Sherry Glass

TITLE Sr Regulatory Technician

SIGNATURE

Sherry Glass

DATE 5/1/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

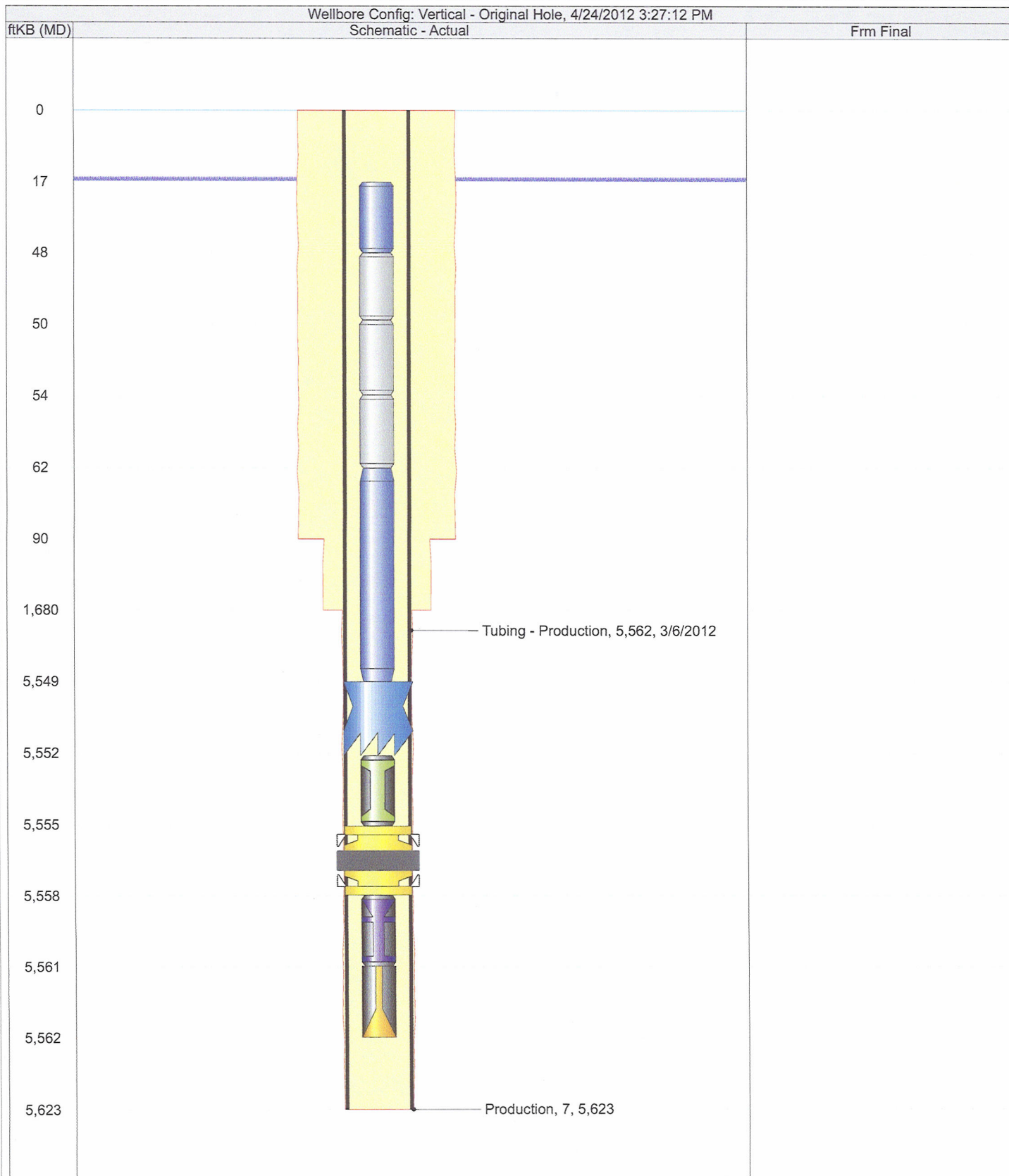
** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

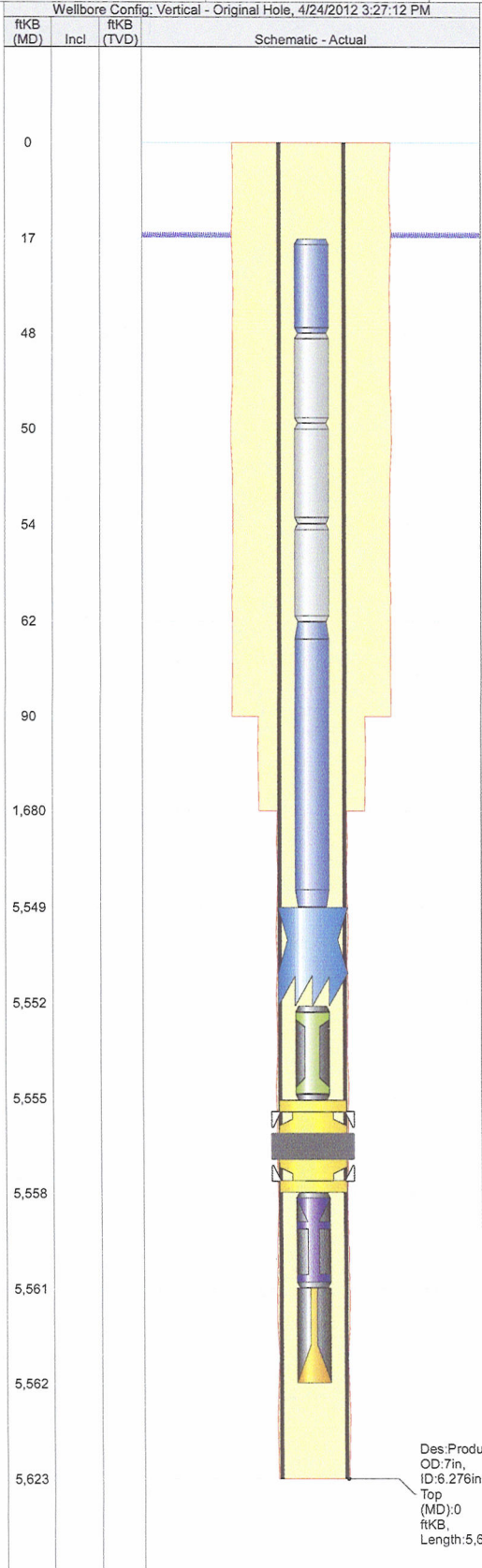
Fax: 801-359-3940

API Number 43037	Surface Legal Location	Section 14	Township 40S	Range 23E	Well Spud Date/Time 2/9/2012	Field Name Aneth	State/Province Utah
Original KB Elevation (ft) 16.50	KB-Ground Distance (ft)		Total Depth (ftKB) 5,623.0		PBDT (All) (ftKB)		



Well Name: B414 Aneth Unit

API Number 43037	Section 14	Township 40S	Range 23E	Field Name Aneth	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 2/9/2012 10:00	Rig Release Date/Time 3/7/2012 06:00		

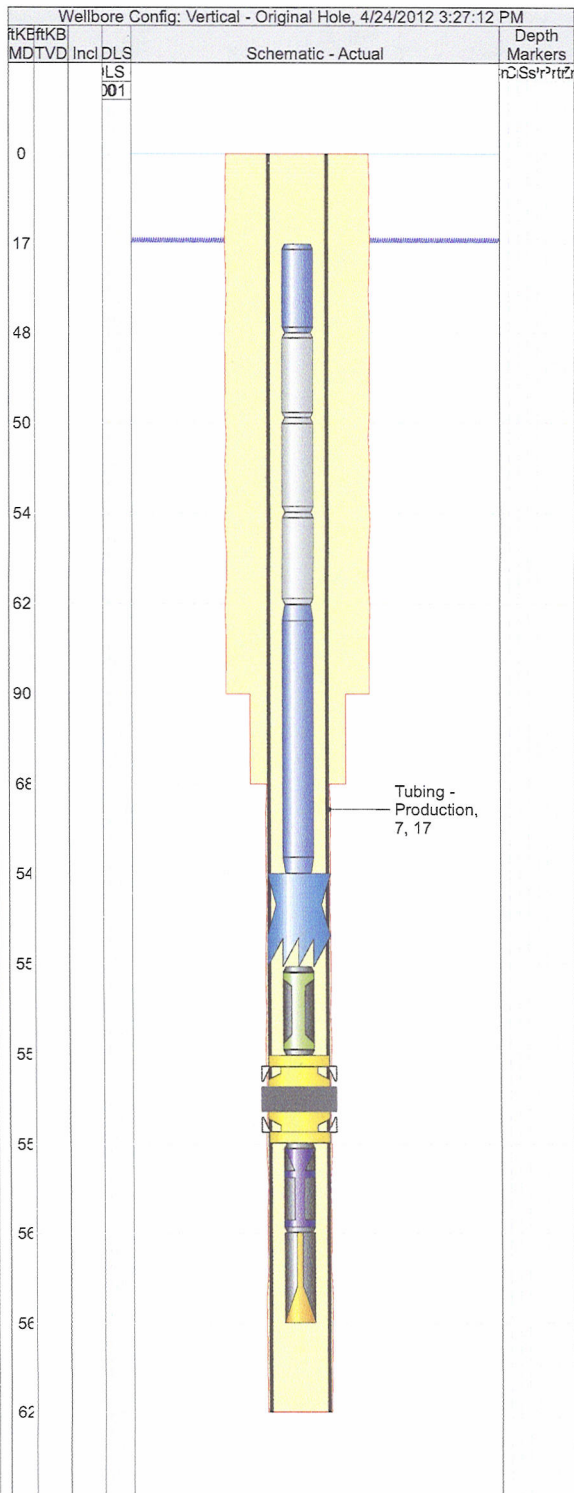


Wellbore		Wellbore Name Original Hole		Profile Type Vertical		Kick Off Depth (ftKB)		Vertical Section Direction (°)	
Section		Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
Conductor		16		0.0		90.0			
Surface		10 3/4		90.0		1,680.0			
Production		7		1,680.0		5,623.0			
Wellhead									
Type Tbg head									
Description		Make		Model		SN		Top WP (psi)	
Type Csg Head									
Description		Make		Model		SN		Top WP (psi)	
Last Mud Check									
Date	Type	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	PV OR (cp)	YP OR (lb/100ft²)	
Casing									
Casing Description Production				Run Date/Time 3/5/2012 00:00		Set Depth (ftKB) 5,623.0		Wellbore Original Hole	
Centralizers				Scratchers					
Jts	Item Description	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
	Casing Joints	7	6.276	26.00	J-55	5,623.00	0.0	5,623.0	
Cement: <Description?>									
Cementing Start Date		Cementing End Date		Wellbore					
Evaluation Method		Cement Evaluation Results							
Comment									
Cement Stages: <Description?>									
Top (ftKB)		Bottom (ftKB)		Full Return? Cmnt Rtn...		Top Plug?		Bottom Plug?	
				No		No		No	
Q (start) (bbl/min)		Q (end) (bbl/min)		Q (avg) (bbl/min)		P (final) (psi)		Plug Bump Pressure (psi)	
Pipe Reciprocated?		Stroke (ft)		Reciprocation Rate (spm)		Pipe Rotated?		Pipe RPM (rpm)	
No						No			
Depth tagged (ftKB)		Tag Method		Plug Depth (ftKB)		Drill Out Diameter (in)		Drill Out Date/Time	
Cement Fluids: <Description?>									
Fluid Type		Fluid Description				Amount (s... Class		Volume Pumped (bbl)	
Estimated Top (ftKB)		Estimated Bottom (ftKB)		Yield (ft³/sack)		Mix H2O Ratio (gal/sack)		Free Water (%)	
Density (lb/gal)		Plastic Viscosity (cp)		Thickening Time (hrs)		1st Compressive Strength (psi)			
Cement Fluid Additives									
Add		Type				Conc			


 Well Name: **B414 Aneth Unit**

API Number 43037	Surface Legal Location	Section 14	Township 40S	Range 23E	Well Spud Date/Time 2/9/2012 10:00	Field Name Aneth	State/Province Utah
Original KB Elevation (ft) 16.50	KB-Ground Distance (ft)	Total Depth (ftKB) 5,623.0	PBTD (All) (ftKB)	Working Interest (%) 61.77			

Type Tbg head	Description	Make	Model	WP (psi)	Service	Top WP (psi)	Top Ring Gasket	Min Bore (in)
Type Csg Head								



Casing Description	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Set Depth (ftKB)
Production	7	26.00	J-55		5,623.0

Date	Top (ftKB)	Btm (ftKB)	Zone

Tubing - Production set at 5,562.0ftKB on 3/6/2012 00:00

Tubing Description		Run Date	String Length (ft)		Set Depth (ftKB)		
Tubing - Production		3/6/2012	5,545.25		5,562.0		
Item Description	Jts	Make	Model	OD (in)	Wt (lbs/ft)	Grade	Len (ft)
Tubing	1		T&C Upset	3 1/2	9.30	J-55	31.00
Tubing Pup Joint	1			3 1/2			2.00
Tubing Pup Joint	1			3 1/2			4.00
Tubing Pup Joint	1			3 1/2			8.00
Tubing	1...		T&C Upset	3 1/2	9.30	J-55	5,48...
On-Off Tool	1			7			3.50
Pump Seating Nipple	1			3 1/2			2.60
Packer	1	ArrowSet	Model 1	7			3.50
Profile Nipple	1			3 1/2			2.65
Wireline Guide	1			3 1/2			1.00

Rod Description		Run Date		String Length (ft)		Set Depth (ftKB)		
Item Description		Jts	Make	Model	OD (in)	Wt (lbs/ft)	Grade	Len (ft)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☒ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSL 070968 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT or CA AGREEMENT NAME Aneth Unit 8. WELL NAME and NUMBER: Aneth Unit B414 9. API NUMBER: 4303750011 10 FIELD AND POOL, OR WILDCAT Greater Aneth 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 14 40S 23E S 12. COUNTY San Juan 13. STATE UTAH
2. NAME OF OPERATOR: Resolute Natural Resources Company 3. ADDRESS OF OPERATOR: 1675 Broadway, Ste 195 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 573-4886 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 935 FSL, 2078 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: 935 FSL, 2078 FWL AT TOTAL DEPTH: 935 FSL, 2078 FWL		17. ELEVATIONS (DF, RKB, RT, GL): 4724 GL 21. DEPTH BRIDGE MD PLUG SET: TVD
14. DATE SPUDDED: 2/9/2012 15. DATE T.D. REACHED: 3/7/2012 16. DATE COMPLETED: 3/10/2012 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		18. TOTAL DEPTH: MD 5,695 19. PLUG BACK T.D.: MD TVD 5,695 TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? *
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
9.875	7 J-55	26	0	5,623		900		1850	
14.75	10.75 J-55	40.5	0	1,680		lite 1,020		0	94 bbls
6.125	0	0	5623	5695		no use 0	0	0	0
20	16 H-40	48	0	90		115		0	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3.5	5,545	5,556	7					

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Chinle	1,650							Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Cutler	2,640							Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) U. Ismay	5,520							Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D) Desert Creek IIA	5,645							Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS | <input type="checkbox"/> GEOLOGIC REPORT | <input type="checkbox"/> DST REPORT | <input type="checkbox"/> DIRECTIONAL SURVEY |
| <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION | <input type="checkbox"/> CORE ANALYSIS | <input checked="" type="checkbox"/> OTHER: <u>schematic</u> | |

30. WELL STATUS:

Producing

RECEIVED

FEB 22 2013

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/29/2012		TEST DATE: 4/16/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 760		GAS – MCF: 2,642		WATER – BBL: 782		PROD. METHOD: flowing							
CHOKE SIZE: 48/64		TGB. PRESS. 557		CSG. PRESS.		API GRAVITY 40.00		BTU – GAS		GAS/OIL RATIO		24 HR PRODUCTION RATES: →		OIL – BBL: 760		GAS – MCF: 2,642		WATER – BBL: 782		INTERVAL STATUS:	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

injected CO2

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Navajo	780			Chimney Rock	5,790
Chinle	1,650				
Cutler	2,640				
U. Ismay	5,430				
Hovenweep	5,510				
L. Ismay	5,520				
Gothic Shale	5,580				
Desert Creek IA	5,610				
Desert Creek IIA	5,645				
Desert Creek III	5,720				

35. ADDITIONAL REMARKS (Include plugging procedure)

producing 2.6 Mcf CO2, reinjected into formation, completed open hole, no logs run; formation tops derived from X-section

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Sherry GlassTITLE Sr Regulatory Technician

SIGNATURE _____

DATE 2/22/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSL 070968			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: ANETH			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		8. WELL NAME and NUMBER: ANETH UNIT B414			
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		9. API NUMBER: 43037500110000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0935 FSL 2078 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 14 Township: 40.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: GREATER ANETH COUNTY: SAN JUAN STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/10/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute proposes to repair the packer in the subject well to restore production. The proposed procedure, tubing detail and well bore schematic are attached. Work is to commence 10-10-13.					
		Accepted by the Utah Division of Oil, Gas and Mining Date: October 08, 2013 By: <u>Derek Quist</u>			
NAME (PLEASE PRINT) Sherry Glass		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr Regulatory Technician DATE 10/3/2013			

RESOLUTE

NATURAL RESOURCES

AU B-414
935' FSL, 2078' FWL
SESW section 14-T40S-R23E
43-037-50011

Packer Repair

Job scope includes: acid stimulation & replacement of production equipment. The workover is expected to restore production.

Procedure

- 1) MIRU. Kill well as necessary. NDWH. NUBOPE.
 - 2) POH & LD 3-1/2" production tubing & 7" production packer.
Note: *Production Csg = 7"*
Note: *Open-Hole: 5623'-95'*
Note: *Prod PKR = 5562'*
 - 3) PU & RIH with 6-1/8" bit/scrapper on 2-7/8" workstring from float.
 - 4) Clean out to 5623' (Csg Shoe). Reverse circulate clean.
 - 5) POH & LD scraper.
 - 6) PU & RIH with 6-1/8" bit/bit sub/drill collars/float collar on 2-7/8" workstring from float.
Note: *Consult Global for desired 'string float' depth.*
Note: *Run enough drill collars to keep workstring from entering the open hole.*
 - 7) Clean out to 5695' (TD) with N2-Unit. Circulate clean.
 - 8) POH & LD bit/bit sub/drill collars/float collar.
 - 9) Acidize OH interval: 4,000 gals 20% HCL
Note: *Set treating packer \pm 5520' with 1-jt of tailpipe (csg collars @ 5495' & 5537')*
Note: *Pressure test surface lines to 3800#*
Note: *Max Treating Pressure = 3500#*
Note: *Desired Q = 2 to 3 BPM*
Note: *Establish injection rate with fresh water (\pm 5 bbls)*
Note: *Pump acid*
Note: *Pump displacement (\pm 5 bbls past EOT)*
Note: *Leave well shut-in for 2-hrs after pumping.*
Note: *Flow/swab back acid load.*
 - 10) POH & LD TRT packer.
 - 11) PU & RIH with WL entry guide, profile nipple, 7" production packer, ON/OFF Tool on workstring.
-

Note: Set production packer (blanking plug-in-place) at $\pm 5550'$ (csg collars @ 5537' & 5580')

Note: ON/OFF Tool: 2.81" 'X'-profile

Note: Profile Nipple: 2.75" 'XN'-profile w/ 2.65" nogo

12) J-Off ON/OFF Tool.

13) Circulate packer fluid.

14) Perform mock MIT.

Note: 500 psi (10% loss)

15) POH & LD workstring on float.

16) PU & RIH with 3-1/2" production tubing (bare) from float.

17) J-On ON/OFF Tool.

18) NDBOPE. NUWH.

19) Retrieve blanking plug.

20) RDMOL.

21) Schedule MIT with BLM/State of Utah.

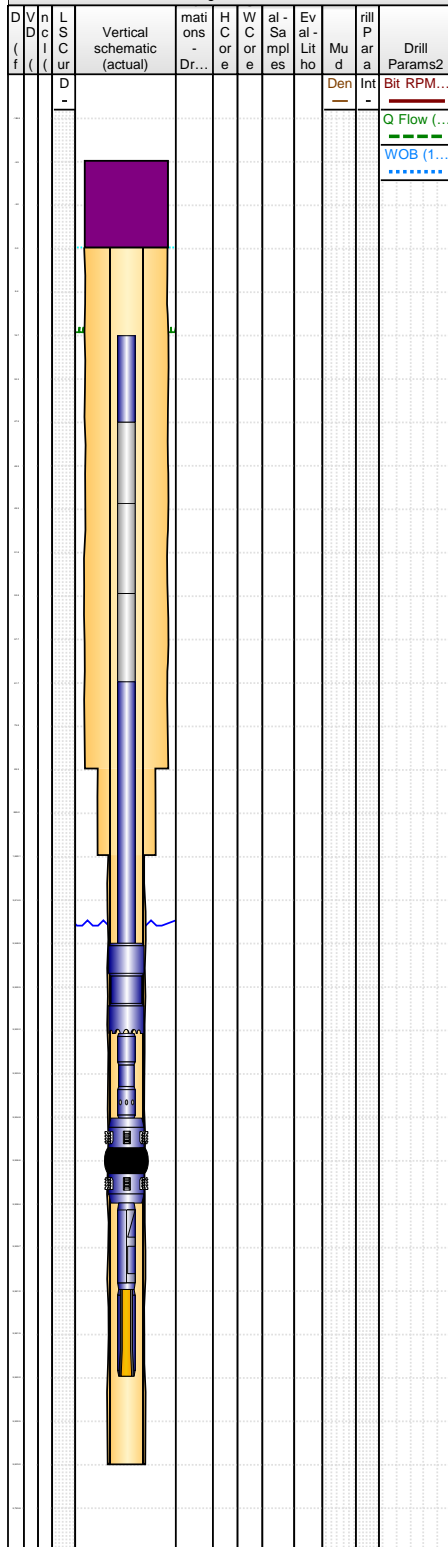
22) RWTP

Resolute

Well Name: B414 Aneth Unit

API Number 4303750011	Section 14	Qtr/Qtr SE SW	TWN 40S	RGE 23E	Block	Reg Spud Dtr/Tm 2/9/2012 10:00	Field Name Aneth	State/Prov Utah	WI (%) 65.42
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Vertical - Original Hole, 3/6/2012

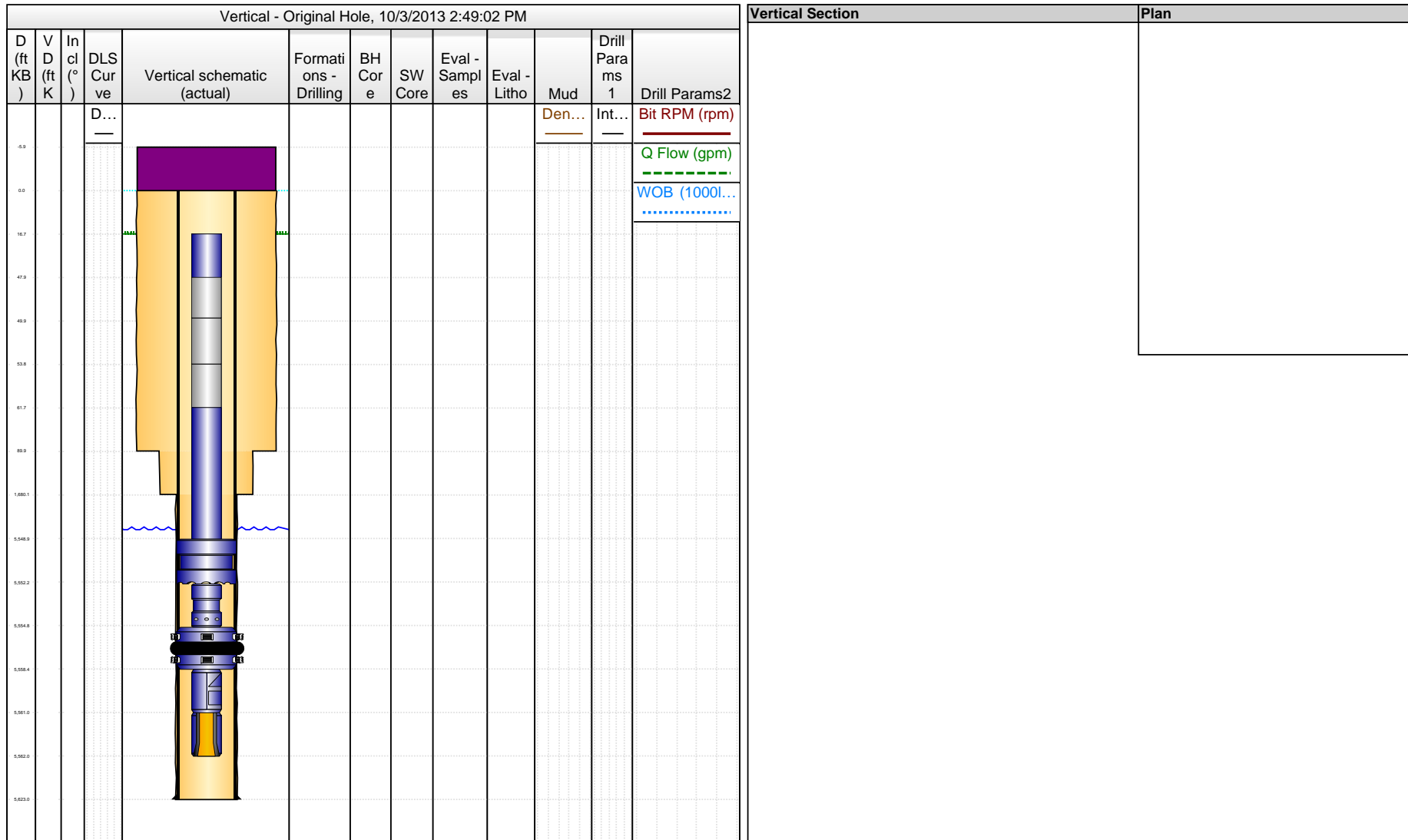


Tubing

Tubing Description					Set Depth (ftKB)		Run Date		Pull Date	
Tubing - Production					5,562.0		3/6/2012			
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Botm (ftKB)	
1	Tubing	3 1/2	2.992	9.30	J-55		31.00	16.7	47.7	
1	Tubing Pup Joint	3 1/2	2.992				2.00	47.7	49.7	
1	Tubing Pup Joint	3 1/2	2.992				4.00	49.7	53.7	
1	Tubing Pup Joint	3 1/2	2.992				8.00	53.7	61.7	
177	Tubing	3 1/2	2.992	9.30	J-55		5,487.00	61.7	5,548.8	
1	On-Off Tool	7	2.992				3.50	5,548.8	5,552.3	
1	Pump Seating Nipple	3 1/2	2.810				2.60	5,552.3	5,554.9	
1	Packer	7					3.50	5,554.9	5,558.4	
1	Profile Nipple	3 1/2					2.65	5,558.4	5,561.0	
1	Wireline Guide	3 1/2					1.00	5,561.0	5,562.0	

Schematic and Survey Plot**Well Name: B414 Aneth Unit**

API Number 4303750011	Qtr/Qtr SE SW	License #	Wellbore Config Vertical	Ground Elevation (ft) 4,724.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 16.50	KB-Casing Flange Distance (ft)
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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSL 070968			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: ANETH			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		8. WELL NAME and NUMBER: ANETH UNIT B414			
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		9. API NUMBER: 43037500110000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0935 FSL 2078 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 14 Township: 40.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: GREATER ANETH COUNTY: SAN JUAN STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/30/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice of tubing replacement on the above well. The procedures and schematic are attached.					
Accepted by the Utah Division of Oil, Gas and Mining Date: May 01, 2014 By:					
NAME (PLEASE PRINT) Erin Joseph		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr. Regulatory Analyst DATE 4/25/2014			

RESOLUTE

NATURAL RESOURCES

AU B-414 Tubing Replacement

Procedure

- 1) MIRU Key 27.
- 2) RU Wireline. Set 2.81" xx blanking plug @ 5562'. RD Wireline.
Note: *Unable to achieve complete isolation with blanking plug/profile (Oct, 2013)*
- 3) NDWH. NU BOPE/Snubbing Unit.
- 4) POH & SB 3-1/2" (Bare) production tubing & LD ON/OFF Tool & 7" production packer.
Note: *Production Csg: 7", 26#, J-55*
Note: *Open-Hole: 5623'-95' (Hole = 6-1/8")*
Note: *Prod PKR @ 5564' (AS-1X)*
- 5) RIH with 6-1/8" bit/scrapper on production tubing.
- 6) Clean out to 5623' (Csg Shoe). Reverse circulate clean.
- 7) POH & LD production tubing & bit/scrapper.
- 8) PU & RIH with WL entry guide & 7" production packer on 3-1/2" (BB-401) production tubing.
Note: *Hard hook-up (do not install an ON/OFF Tool)*
Note: *Position production packer @ ±5550' (csg collars @ 5537' & 5580')*
Note: *Install 2.31" 'F'-profile nipple **above** packer.*
Note: *Install 2.25" 'R'-profile nipple **below** packer.*
- 9) Circulate packer fluid.
Note: *Pump down annulus & up tubing (choke tubing as necessary).*
- 10) Set production packer.
- 11) Set 2.31" blanking plug in 'F'-profile nipple.
- 12) Pressure test tubing to 2500#.
- 13) Bleed pressure off tubing.
- 14) Perform mock MIT.
Note: *500 psi (10% loss)*
- 15) ND BOPE/Snubbing Unit. NUWH.
- 16) Retrieve blanking plug.
- 17) RDMOL.
- 18) Schedule MIT with BLM/State of Utah.
- 19) RWTP

Resolute

Well Name: B414 Aneth Unit

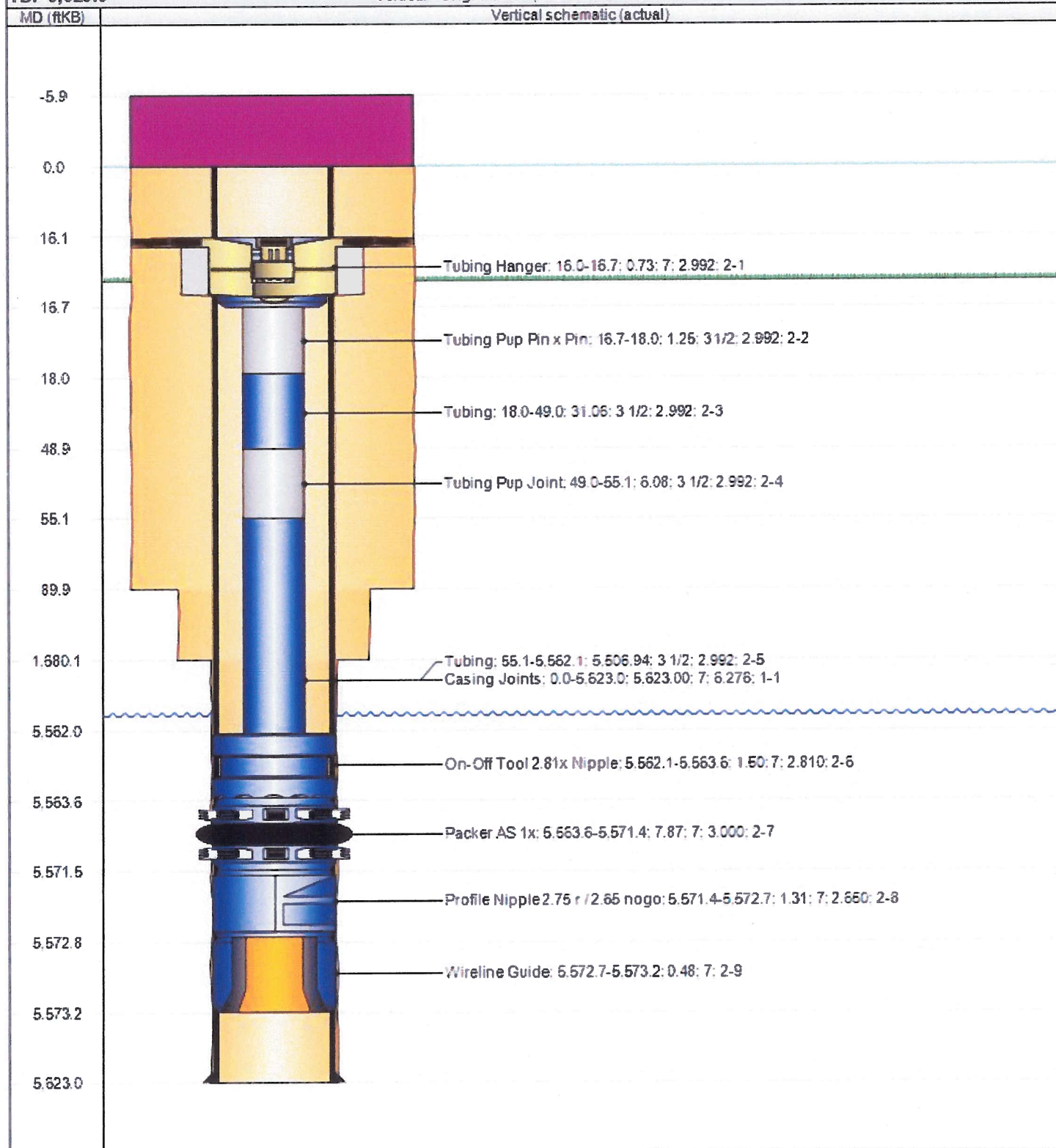
API Number	Section	Dir/Clr	Township	Range	Block	Reg. Sold Dt/Tm	Field Name	State/Province	Working Interest (%)
4303750011	14	SE SW	40S	23E		2/9/2012 10:00	Aneth	Utah	62.39

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Start Date	End Date
Workover	W/O Producing Well		10/17/2013	

TD: 5,623.0

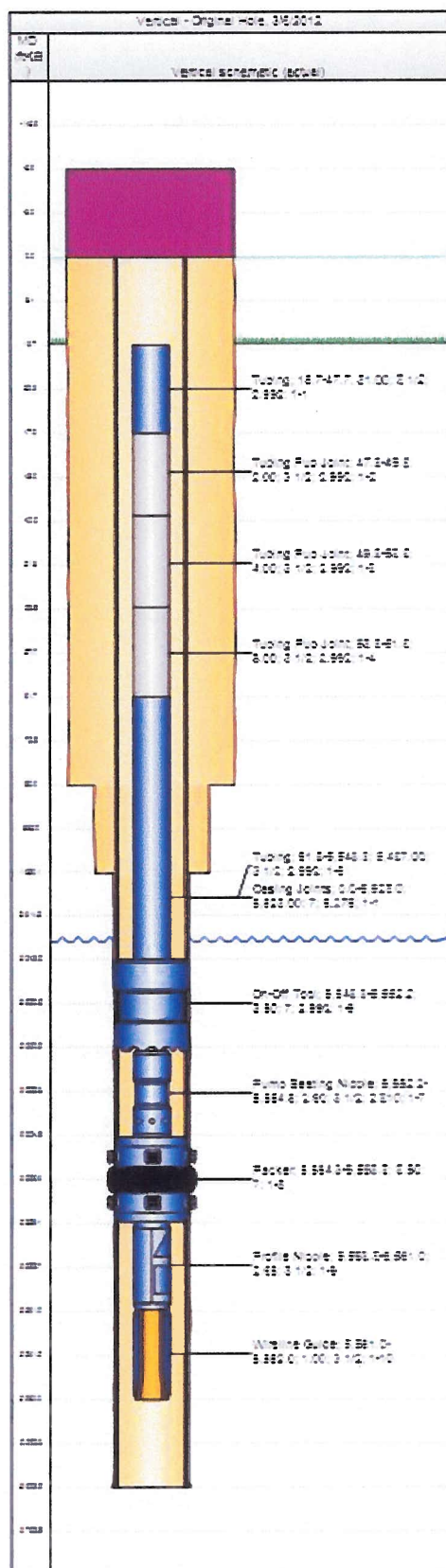
Vertical - Original Hole, 2/20/2014 12:53:09 PM



Resolute

Well Name: B414 Aneth Unit

API Number 4303750011	Section 14	Dir/Gr SE SW	TWN 40S	RGE 23E	Block 500K	Reg Spud D/Tm 2/9/2012 10:00	Field Name Aneth	State Prov Utah	W/L (%) 65.42
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Tubing									
Tubing Description					Set Depth (ft/S)		Run Date		Pull Date
Tubing - Production					5,582.0		3/8/2012		
Jts	Item Desc	OD (in)	ID (in)	WT (lb/ft)	Grade	Top Thread	Len (ft)	Top (ft/S)	Bot (ft/S)
1	Tubing	3 1/2	2.992	9.30	J-55		31.00	18.7	47.7
1	Tubing Pup Joint	3 1/2	2.992				2.00	47.7	49.7
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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSL 070968
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: ANETH
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: ANETH UNIT B414
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0935 FSL 2078 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 14 Township: 40.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037500110000
PHONE NUMBER: 303 534-4600 Ext		9. FIELD and POOL or WILDCAT: GREATER ANETH
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/3/2014	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice that the tubing repair on the above well was completed on 8/3/14 according to previously submitted procedures.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 13, 2014		
NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 8/11/2014	